



**A CUMULATIVE INDEX
TO THE 1965 ISSUES OF
A CONTINUING BIBLIOGRAPHY ON**

AEROSPACE MEDICINE AND BIOLOGY

APRIL 1966

GPO PRICE \$ _____

CFSTI PRICE(S) \$ \$7.00

Hard copy (HC) _____

Microfiche (MF) \$3.50

ff 653 July 65

FACILITY FORM 502

N 66 25578

(ACCESSION NUMBER)

725

(PAGES)

(THRU)

1

(CODE)

04

(CATEGORY)

(NASA CR OR TMX OR AD NUMBER)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

This bibliography was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by Documentation Incorporated.

**A CUMULATIVE INDEX
TO
A CONTINUING BIBLIOGRAPHY ON

AEROSPACE MEDICINE
AND BIOLOGY**

This Cumulative Index supersedes the separate indexes to the twelve supplements [SP-7011 (08) through SP-7011 (19)] of a continuing bibliography published by NASA during 1965.



Scientific and Technical Information Division

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WASHINGTON, D.C.

APRIL 1966

For sale by the Clearinghouse for Federal Scientific and Technical Information
Springfield, Virginia 22151 - Price \$7.00

INTRODUCTION

This publication is a cumulative index to the past twelve issues (SP-7011 (08) through SP-7011 (19)) of the National Aeronautics and Space Administration's Continuing Bibliography titled *Aerospace Medicine and Biology*. The bibliography has been compiled through the cooperative efforts of the Aerospace Medicine and Biology Bibliography Project of the Library of Congress (LC), the American Institute of Aeronautics and Astronautics (AIAA), and the National Aeronautics and Space Administration (NASA).

Entries prepared by the three contributing organizations are identified as follows:

1. NASA entries by their *STAR* accession numbers (N65-10000 series);
2. AIAA entries by their *IAA* accession numbers (A65-10000 series); and
3. LC entries identified by a number in the A65-80000 series.

The complete index includes a subject index, a corporate source index, and a personal author index. Two types of cross-references appear in the subject index. They are "see" (S) and "see also" (SA). These references do not lead the searcher to blind terms—where no items are posted—or to repetitious information, but are intended to be used as follows:

1. The "see" relates a broad concept, i.e., one which is too general to be a useful index term, to the specific terms used in the index. For example:

EFFECT

S BIOLOGICAL EFFECT

S CHEMICAL EFFECT

S GRAVITATIONAL EFFECT

2. The "see also" cross-reference relates associated concepts usually having different groups of postings. For example:

ENVIRONMENT

SA LUNAR ENVIRONMENT

SA ROTATING ENVIRONMENT

tells a searcher that, while these terms are related in subject matter, postings under each term are different.

Copies of this index, as well as copies of the individual issues of *Aerospace Medicine and Biology* (SP-7011) and its supplements can be obtained from NASA (Code USS-AD), without charge, by NASA offices and contractors, U.S. Government agencies and their contractors, and organizations that are working in direct support of NASA programs.

Other organizations can purchase copies from the Clearinghouse for Federal Scientific and Technical Information (CFSTI), Springfield, Virginia.

AVAILABILITY OF DOCUMENTS

STAR Entries

NASA documents listed are available without charge to:

1. NASA Offices, Centers, contractors, subcontractors, grantees, and consultants.
2. Other U.S. Government agencies and their contractors.
3. Libraries in the United States that maintain depositories of NASA documents for public reference.
4. Other organizations in the United States having a need for NASA documents in work related to the aerospace program.
5. Foreign government or academic (university) organizations that have established reciprocal arrangements for the exchange of publications with NASA, that have current agreements for scientific and technical cooperative activities with NASA, or that have agreements with NASA to maintain depositories of NASA documents for public use.

Non-NASA documents listed are provided by NASA without charge only to NASA Offices, Centers, contractors, subcontractors, grantees, and consultants.

Organizations and individuals not falling into one of these categories may purchase the documents listed from either of two sales agencies, as specifically identified in the abstract section:

Clearinghouse for Federal Scientific
and Technical Information (CFSTI),
Springfield, Virginia, 22151

Superintendent of Documents (GPO)
U.S. Government Printing Office
Washington, D.C. 20402

Information on the availability of this publication and other reports covering NASA scientific and technical information may be obtained by writing to:

Scientific and Technical Information Division
National Aeronautics and Space Administration
Code USS-AD
Washington, D.C. 20546

Collections of NASA documents are currently on file in the organizations listed on the inside of the back cover.

(continued)

IAA Entries

All articles listed are available from the American Institute of Aeronautics and Astronautics, Technical Information Service. Individual and Corporate AIAA Members in the United States and Canada may borrow publications without charge. Interlibrary loan privileges are extended to the libraries of government agencies and of academic non-profit institutions in the United States and Canada. Loan requests may be made by mail, telephone, telegram, or in person. Additional information about lending, photocopying, and reference service will be furnished on request. Address all inquiries to:

Technical Information Service
American Institute of Aeronautics and Astronautics, Inc.
750 Third Avenue, New York 17, New York

For further details please consult the *Introductions* to *STAR* and *IAA*, respectively.

LC Entries

Articles listed are available in the journals in which they appeared. They may be borrowed or consulted in libraries maintaining sets of these journals. In some instances, reprints may be available from the journal offices.

AVAILABILITY OF THIS BIBLIOGRAPHY

Copies of *Aerospace Medicine and Biology* (SP-7011) and its supplements can be obtained from NASA (Code USS-AD), without charge, by NASA offices and contractors, U.S. Government agencies and their contractors, and organizations that are working in direct support of NASA programs.

Other organizations can purchase copies of the bibliography from the Clearinghouse for Federal Scientific and Technical Information (CFSTI), Springfield, Virginia 22151.



TABLE OF CONTENTS

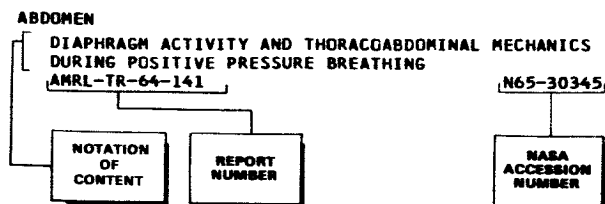
	Page
Subject Index	A-1
Corporate Source Index.	B-1
Personal Author Index.	C-1

Subject Index

AEROSPACE MEDICINE AND BIOLOGY / a continuing bibliography
1965 Cumulative Index

APRIL 1966

Typical Subject Index Entry Listing



The Notation of Content (NOC), rather than the title of the document, is used to provide a more exact description of the subject matter. The NASA, AIAA, or LC accession number is included in each entry to assist the user in locating the abstract in the abstract section of an individual issue of *Aerospace Medicine and Biology*. If applicable, a report number is also included as an aid in identifying the document.

A

A- 4 AIRCRAFT
 PILOTS ABILITY TO OPERATE A4D ELF FLASH
 BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS
 OF SAFETY A65-26170

A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
 SAFE OPERATION TIME AS AFFECTED BY SIZE OF
 SUBJECTS PERFORMING TRACKING PROBLEM UNDER
 ACCELERATION STRESS A65-81373

ABDOMEN

SA DIGESTIVE SYSTEM
 SA INTESTINE
 SA STOMACH

DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS
 DURING POSITIVE PRESSURE BREATHING
 AMRL-TR-64-141 N65-30345

ABIOGENESIS

SA BIOGENESIS

AQUEOUS AND NONAQUEOUS SOLUTIONS, TEMPERATURE
 LIMITS, GAS HYDRATE FORMATION AND CONNECTION WITH
 ORIGIN OF LIFE A65-29013

COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC
 EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES A65-30593

ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS
 DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS
 SIMULATOR A65-30683

PREBIOLOGICAL ENVIRONMENT SIMULATION AND SYNTHESIS
 OF BIOLOGICALLY SIGNIFICANT MOLECULES FROM
 ELEMENTS OF PRIMORDIAL ATMOSPHERE A65-31348

ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL
 METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE
 A65-80080

ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL
 BODIES INCLUDING EVIDENCE FOR AND AGAINST
 BIOGENESIS AND ABIOTIC SYNTHESIS A65-80097

ORIGINS OF PREBIOLOGICAL SYSTEMS AND OF THEIR
 MOLECULAR MATRICES - CONFERENCE A65-80465

MODEL FOR BIOCHEMICAL ORIGIN OF LIFE - FIRST
 ORGANISM A65-80466

RANDOM POLYMERS AS A MATRIX FOR CHEMICAL
 EVOLUTION - EXAMPLE OF MELANIN A65-80467

MOLECULAR MATRICES FOR LIVING SYSTEMS WITH THEORY
 OF METEORITIC ORIGIN A65-80469

HISTORY OF BIOGENETIC AND ABIOTIC THEORIES
 A65-80470

AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
 AND ABIOTIC ASPECTS A65-80471

ASYMMETRIC HYDROGENATION OF CARBONYL COMPOUNDS
 A65-80472

ENERGY SOURCES AND CHEMICAL REACTIONS IN
 PREBIOLOGICAL ORGANIC SYNTHESIS A65-80473

AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
 OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
 CHAMBER A65-80474

THERMAL SYNTHESIS OF AMINO ACIDS FROM
 HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE
 A65-80475

PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
 PHOSPHATES AND SIMILAR LABORATORY SYNTHESIS
 A65-80476

ABIOTIC SYNTHESIS OF SOME NUCLEIC ACID
 CONSTITUENTS A65-80477

PROBABLE SYNTHESIS OF PORPHINE-LIKE SUBSTANCES
 DURING CHEMICAL EVOLUTION A65-80478

PROJECTING BACKWARD FROM THE PRESENT STAGE OF
 EVOLUTION OF BIOSYNTHESIS - INFORMATION TRANSFER
 WITHOUT NUCLEIC ACIDS A65-80479

RANDOM POLYCONDENSATION OF CARBOHYDRATES IN
 RELATION TO POLYMERIZATION AND ABIOTIC SYNTHESIS
 A65-80480

THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH
 POLYPHOSPHORIC ACID A65-80481

SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
 METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
 LIKE SYSTEM A65-80482

THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
 OF POLYPHOSPHORIC ACID A65-80483

CHEMICAL PATHWAYS OF THE PRIMARY DEVELOPMENT OF
 METABOLISM AND ARTIFICIAL MODELING OF DEVELOPMENT
 IN COACERVATE DROPS A65-80484

MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED
 FROM PROTEINOID A65-80485

REVIEW OF EXPERIMENTS DEALING WITH DEVELOPMENT OF
 MICROSPHERES FROM THERMAL PROTEINOID A65-80486

RECOGNITION OF HEREDITARY ORDER IN PRIMITIVE
 CHEMICAL SYSTEMS, HEREDITARY TRANSFER IN
 COPOLYMERS A65-80487

ROLE OF LIGHT IN EVOLUTION - TRANSITION FROM ONE
 QUANTUM TO TWO QUANTA MECHANISM

- A65-80489
- PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS SOLUTION IRRADIATED WITH ULTRAVIOLET
- A65-80762
- POSSIBLE ROLE OF DICYANDIAMIDE /CYANOGLANIDINE/ IN PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION
- A65-80763
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
- A65-81233
- MOLECULAR EVOLUTION AND ORIGIN OF LIFE - REVIEW
- A65-81260
- PHOTOCHEMICAL ORIGIN OF LIFE
- A65-81526
- ABIOGENIC FORMATION OF CARBON COMPOUNDS IN ORGUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS CHONDRITES SUGGESTED BY MASS SPECTROMETRY
- A65-82013
- JUSTIFICATION FOR DESIGNING LIFE DETECTION EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON KNOWLEDGE OF LIFE ON EARTH AND ABIOGENIC SYNTHESIS OF BIOLOGICAL MATERIAL
- A65-82217
- ABIOGENESIS OF PRIMARY MICROORGANISMS BY ELECTRIC DISCHARGE
- NASA-TT-F-9244 N65-16303
- RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN PROTOBIOCHEMISTRY - ABIOGENESIS
- NASA-CR-63560 N65-27062
- ABLATION**
- PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY AFTER CORTEX ABLATION
- NASA-TT-F-9178 N65-11451
- ABSORPTION**
- SA ELECTROMAGNETIC ABSORPTION
- SA LIGHT ABSORPTION
- SA RADIATION ABSORPTION
- SA RADIO SIGNAL ABSORPTION
- SA X-RAY ABSORPTION
- ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
- A65-80049
- TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET IRRADIATION AND MAGNETIC FIELD
- A65-80430
- HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN STOMACH AND INTESTINE IN DOGS
- A65-80710
- DETERMINATION OF ENERGY ABSORBED IN WATER FROM RELATIVISTIC COSMIC RAY PARTICLES USING CERENKOV EFFECT
- A65-80758
- INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND ELDERLY SUBJECTS
- A65-81548
- CELLULAR SECRETION AND ABSORPTION PROCESS OF ENDOLYMPH IN VESTIBULAR APPARATUS OF PIGEON
- A65-82172
- ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC PLANTS
- REPT.-138 N65-21186
- CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY CHLORELLA IN LIGHT AND DARK
- REPT.-135 N65-23301
- ABSORPTION COEFFICIENT**
- X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS - TABULATION OF ATTENUATION AND ABSORPTION COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND GASES VS MUSCLE AND BONE
- WL-TR-64-134 N65-29998
- ABSORPTION SPECTRUM**
- MODIFIED PHYCOERYTHRIN SEPARATION FROM PORPHYRIDUM CRUENTUM TREATED WITH P-CHLOROMERCURIBENZOATE AND INTERACTION WITH GLUTATHIONE
- A65-13547
- ABSTRACT**
- WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS
- NASA-TT-F-9536 N65-32876
- ACCELERATION PROTECTION**
- FLUID FILLED LIMIT STRETCH DEVICE DESIGN FOR PROTECTION AGAINST IMPACT ACCELERATION
- A65-11399
- POSITIVE ACCELERATION EFFECT ON CHIMPANZEES IMMERSED IN WATER
- A65-80727
- ACCELERATION STRESS**
- SA AUTOKINESIS
- SA G FORCE
- SA PHYSIOLOGICAL ACCELERATION
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5, 1964
- A65-10722
- SIMULATION OF ACCELERATION STRESS ENCOUNTERED IN MANNED SPACECRAFT DURING LAUNCH, RECOVERY AND ABORT MANEUVERS
- A65-10723
- ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE LANDING IMPACT
- A65-10732
- ACCELERATION STRESS EFFECTS ON RATS HEART RATE, USING ELECTROCARDIOGRAMS
- A65-10745
- SKIN AND MUSCLE LESIONS IN RATS DUE TO PROLONGED ACCELERATION STRESSES
- A65-10862
- CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT AMBIENT ENVIRONMENT
- A65-12527
- PHYSIOLOGICAL RESPONSES OF MAN TO SPACE ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO SUPPORT LIFE
- A65-12543
- ACETYLCHOLINE AND RELATED DRUGS ROLE IN ACCELERATION STRESS TOLERANCE
- A65-14232
- OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING COMBINED VARIATIONAL CALCULUS AND PHASE PLANE ANALYSIS
- A65-14963
- METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
- A65-23416
- OXYGEN CONSUMPTION DETERMINATION DURING STRENUOUS FLYING PROGRAM AT VARIOUS G FORCES
- A65-24073
- BLOOD DISPLACEMENT UNDER G FORCES APPLIED LONGITUDINALLY TO HUMAN BODY MEASURED, USING ELECTRIC IMPEDANCE CHANGES IN LOWER EXTREMITIES
- A65-26417
- TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS WITH REFERENCE TO MANNED SPACE FLIGHT
- A65-26531
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN SATURATION DECREASE DUE TO PULMONARY ARTERIAL- VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO FORWARD ACCELERATION
- A65-29057
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF HIGH GRAVITY ON MAN
- A65-29102
- CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM DISCOMFORT TO PILOT DURING ACCELERATION,

SUBJECT INDEX

ACCELERATION STRESS

- VIBRATION AND/OR SHOCK A65-30013
- BIOLOGICAL EFFECT OF WEIGHTLESSNESS AND ACCELERATION EXPERIENCED IN SPACE FLIGHT A65-30693
- PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS OF LABORATORY /CENTRIFUGE/ TESTS A65-34947
- FACTORS IN ESTABLISHING TOLERANCE LEVELS IN IMPACT TO HUMAN BODY AND PROTECTION OF SEAT CUSHION AND HELMET - ACCELERATION STRESS A65-80023
- PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE OXYGEN A65-80034
- TASK-CONTROL OF AROUSAL AND EFFECT OF UNIDIRECTIONAL ANGULAR ACCELERATION ON HUMAN VESTIBULAR FUNCTION A65-80038
- BODY TEMPERATURE AND HEAT GENERATION DURING RADIAL ACCELERATION STRESS IN RAT A65-80050
- LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE AND PLETHORA IN VARIOUS MAMMALS A65-80086
- RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI DURING TRANSVERSE ACCELERATION A65-80117
- EFFECTS OF WEIGHTLESSNESS AND ACCELERATION ON VARIOUS PHYSIOLOGICAL FUNCTIONS AND USE OF ARTIFICIAL GRAVITY DURING PROLONGED FLIGHTS A65-80299
- USE OF PHYSIOLOGICAL TEST FOR HYPOXIA ACCOMMODATION AND ACCELERATION STRESS TOLERANCE IN AIRCREW A65-80319
- UTRICULAR FUNCTION STUDIED EXPERIMENTALLY IN RABBITS BY INDUCING ACTION POTENTIAL OF UTRICULAR NERVE WITH LINEAR ACCELERATION A65-80334
- TOLERANCE TO TRANSVERSE AND HEADWARD ACCELERATION AFTER PROLONGED BED REST A65-80379
- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383
- POSTERIOANTERIAL TRANSVERSE ACCELERATION OF MAXIMAL DURATION A65-80393
- EFFECT OF INCLINED POSITIVE ACCELERATION ON HUMAN EXTERNAL RESPIRATION A65-80398
- RELATIONSHIP BETWEEN QUICK COMPONENT OF NYSTAGMUS AND VESTIBULAR APPARATUS FUNCTION A65-80601
- PILOT PERFORMANCE AS AFFECTED BY GUST-INDUCED AND MANEUVERING ACCELERATION A65-80728
- PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING FLIGHT SUIT AND ANTI-G TROUSERS A65-80874
- EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION ON CONDITIONED REFLEX IN RATS A65-80929
- PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL EFFECT OF ACCELERATION AND WEIGHTLESSNESS A65-80931
- BRIGHTNESS DISCRIMINATION THRESHOLD AS AFFECTED BY WEIGHTLESSNESS ON TWO LEVELS OF ACCELERATION A65-80948
- CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF DIFFERENT AGES EXPOSED TO ACCELERATION STRESS A65-81023
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068
- OXYGEN CONSUMPTION DURING FLIGHT OF MODERATE G LOAD AT HIGH ALTITUDE A65-81070
- ACCELERATION STRESS OF PITCH AND EFFECT ON NYSTAGMUS A65-81114
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION ALTERED BY CHANGING RESULTANT LINEAR ACCELERATION A65-81115
- HUMAN RESPONSE TO ACCELERATION STRESS AND WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT A65-81192
- EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING PARABOLIC FLIGHTS A65-81197
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL FORCE A65-81291
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING VIBRATION, ACCELERATION AND RADIATION EFFECTS DURING SPACE FLIGHT A65-81325
- ACCELERATION REGISTOGRAPHY - A NEW METHOD OF EXAMINATIONS CONCERNED WITH THE LABYRINTHINE RIGHTING REFLEX A65-81347
- EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAM A65-81353
- A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-SAFE OPERATION TIME AS AFFECTED BY SIZE OF SUBJECTS PERFORMING TRACKING PROBLEM UNDER ACCELERATION STRESS A65-81373
- GRAVITY EFFECT ON MAN - HISTORICAL REVIEW A65-81588
- BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE, NEGATIVE, AND TRANSVERSE ACCELERATION A65-81667
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT FLASH DURING HIGH ALTITUDE SIMULATION IN LOW PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS A65-81669
- EFFECT OF INCREASE IN RADIAL ACCELERATION STRESS ON FUNCTIONAL AND PHYSIOLOGICAL STATE OF ORGANISM IN ALBINO RATS A65-81700
- VESTIBULAR CALORIC TEST CARRIED OUT WITH FOUR SUBJECTS ON HUMAN CENTRIFUGE A65-81805
- NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES, GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN MICE EXPOSED TO ACCELERATION STRESS A65-81948
- APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA DURING EXPOSURE TO VIBRATION, ACCELERATION AND GAMMA-RADIATION A65-82077
- PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF POSITIVE ACCELERATION A65-82145
- WEIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO ACCELERATIVE FORCE A65-82149
- PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND CAPILLARY BLOOD FLOW DURING FORWARD ACCELERATION A65-82152
- ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE POSITION DURING EXPOSURE TO FORWARD ACCELERATION A65-82153
- MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO ACCELERATIVE FORCE A65-82155

EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON MYOCARDIAL OXYGEN TENSION IN DOGS
A65-82186

EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF RABBITS TO ROTATION-ACCELERATORY STIMULI
A65-82194

RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED BY ACCELERATION
A65-82207

NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS AFFECTED BY HYPOXIA
A65-82369

GENETIC CROSSOVER IN DROSOPHILA MALES UNDER INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA RADIATION
N65-10066

PHYSIOLOGICAL REACTIONS OF HUMAN ORGANISM TO TRANSVERSE ACCELERATIONS AND MEANS OF RAISING HUMAN TOLERANCE TO SUCH FORCES
NASA-TT-F-274 N65-10315

EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641

RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN RATS
FTD-TT-64-202/1&2 N65-12171

DOG SPLEEN RESPONSE TO LATERAL ACCELERATION
N65-13637

EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION AND BREATHING OXYGEN AT EXCESS PRESSURE
N65-13638

HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL ACCELERATION
N65-13639

ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642

STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655

CARDIAC ACTIVITY CHANGES DURING PROLONGED LATERAL ACCELERATIONS
N65-13658

HEMODYNAMIC RESPONSES AND RESPIRATION DURING ACCELERATIONS
N65-13659

BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661

MORPHOLOGICAL CHANGES IN NERVOUS SYSTEM OF ANIMALS SUBJECTED TO LATERAL ACCELERATIONS
N65-13666

WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO RADIAL ACCELERATION
N65-13670

PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS AFTER ACCELERATION STRESS
N65-13696

ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS AND ACCELERATION STRESS
N65-13699

ANIMAL STUDIES ON EFFECTS OF CENTRIFUGAL ACCELERATION STRESS ON CEREBRAL BLOOD FLOW
N65-13702

OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS
N65-13705

MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED TO ACCELERATIONS OF VARYING INTENSITY, DURATION, AND DIRECTION
N65-13706

PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING MIXTURES, HIGH CARBON DIOXIDE BREATHING MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL TRACK, AND ACCELERATION EFFECT ON REFLEXES

CHANGES IN DOG PANCREAS FOLLOWING SINGLE LATERAL ACCELERATION
N65-13708
N65-13710

STRUCTURAL CHANGES IN DOG LUNGS AFTER EXPOSURE TO LATERAL ACCELERATIONS IN BACK-CHEST DIRECTION
N65-13715

INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE CHANGES IN RENAL TUBULES AS MORPHOLOGICAL CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY LATERAL ACCELERATIONS
N65-13716

CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS TO CHEST-BACK ACCELERATIONS
N65-13718

VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL ACCELERATIONS
N65-13719

MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS FOLLOWING TRANSVERSE ACCELERATION
N65-13736

PATTERNS IN PHYSIOLOGICAL EFFECTS OF ACCELERATION ON ORGANISM
N65-13754

ROLE OF NERVOUS SYSTEM IN REACTION OF ORGANISM TO ACCELERATIONS
N65-13755

EFFECT OF REDUCED REACTIVITY OF ORGANISM ON RESISTANCE TO EXTREME ACCELERATION AND RADIATION
N65-13760

PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO CENTRIPETAL ACCELERATIONS
N65-13768

EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457

PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON HUMANS WORKING IN ROTATING ENVIRONMENTS
R-63 N65-15039

HIGH ACCELERATION FORCES ON CHIMPANZES IMMERSED IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139 N65-15558

OXYGEN STARVATION AND ACCELERATION EFFECT ON CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS IN BRAIN TISSUE
JPRS-28630 N65-16136

BIOENGINEERING - SPACECRAFT ACCELERATION SIMULATION BY HUMAN CENTRIFUGE
N65-16603

RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL ACCELERATION STRESS
N65-16629

ABSTRACTS ON SOVIET BIOASTRONAUTICS AND BIOTECHNOLOGY - RADIATION, GRAVITY, VIBRATION, ACCELERATION, ATMOSPHERE, ECOLOGY, SELECTION, TRAINING, MEDICAL MONITORING, AND BIOTELEMETRY
ATD-P-65-4 N65-16653

IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION, AND VIBRATION
N65-17809

SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY
NASA-TN-D-2710 N65-18214

SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156 N65-19645

DYNAMIC MODEL TECHNIQUE FOR ANALYSIS OF HUMAN TOLERANCE TO ACCELERATION
NASA-TN-D-2645 N65-19903

BLOOD OXYGEN CHANGES INDUCED BY FORWARD ACCELERATION
AMRL-TR-64-132 N65-21039

SUBJECT INDEX

ACCIDENT PREVENTION

- PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED AND MANEUVERING ACCELERATION STRESS ON PILOT PERFORMANCE IN LOW LEVEL MISSION
NASA-TM-X-51748 N65-21756
- EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS ACCELERATION ON PILOT OF FLIGHT SIMULATOR - REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND POSITION IN SPACE
NASA-TM-X-51755 N65-23710
- BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
N65-27136
- EFFECT OF CORIOLIS ACCELERATION ON HUMANS - AEROSPACE MEDICINE
JPRS-30927 N65-28174
- HUMAN RESTRAINT SYSTEMS DEVELOPMENT FOR ACCELERATION RESEARCH
NASA-TM-X-54780 N65-29431
- ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS
NASA-TM-X-51940 N65-29450
- PILOT RESTRAINT SYSTEMS DEVELOPMENT AND TESTED UNDER SIMULATED HIGH ACCELERATION CONDITIONS
N65-29769
- SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING RADIATION, RADIAL ACCELERATION, VERTICAL VIBRATION, AND PROLONGED ACCELERATION ON PHYSIOLOGICAL RESPONSE IN ANIMALS
NASA-TT-F-354 N65-31375
- RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW IN CEREBRAL VEINS OF RABBITS
N65-31377
- PROLONGED ACCELERATION AND GRAVITATIONAL FORCES EFFECT ON GROWTH OF ORGANISM AND VITAL ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS
N65-31378
- RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION STRESSES
NASA-CR-236 N65-32926
- PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES - REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958 N65-34775
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES AFTER ADMINISTRATION OF VARIOUS DRUGS
N65-34776
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION WHILE BREATHING PURE OXYGEN AT REDUCED ATMOSPHERIC PRESSURE
NASA-TM-X-51649 N65-35262
- ACCELERATION TOLERANCE**
ARTICULATING CENTRIFUGE MODEL FOR GENERATING G-TIME PROFILES WITH VARIABLE ONSET-DWELL-DECAY RATES
ASME PAPER 64-WA/HUF-7 A65-13854
- HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT TO SPACE FLIGHT
A65-14808
- PROLONGED BED REST EFFECT ON TOLERANCE OF TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART BEATS AND VISION
A65-16555
- LONG TERM CENTRIFUGAL ACCELERATION INDUCED SICKNESS IN LEGHORN CHICKEN, NOTING REVERSIBILITY
A65-16561
- CRITICAL ACCELERATION ENDURANCE INCREASE OF IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION
A65-18433
- VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT ON APPEARANCE OF DOMINANT LETHALS IN RUDIMENTARY CELLS OF DROSOPHILA
A65-32302
- ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE, PROMETHAZINE, AND PLANT HORMONES AS RELATED TO ACCELERATION TOLERANCE OF RAT
A65-80141
- TOLERANCE TO TRANSVERSE AND HEADWARD ACCELERATION AFTER PROLONGED BED REST
A65-80379
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION
A65-80583
- DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER IRRADIATION
A65-80985
- RESISTANCE CHANGES IN HUMAN BODY, PARTICULARLY IN LOWER EXTREMITIES AS RESULT OF G LOADS
A65-81112
- HUMAN TOLERANCE TO POSITIVE ACCELERATION AS AFFECTED BY DEHYDRATION DURING HEAT STRESS
A65-82116
- ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277 N65-10303
- USE OF DRUGS TO INCREASE BODILY RESISTANCE TO FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654
- REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404
- STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO EFFECTS OF ACCELERATION
N65-17746
- ROENTGEN VIDEO EQUIPMENT STUDIES OF HEART AND LUNG DURING POSITIVE ACCELERATION - FLUOROSCOPY
NASA-CR-57958 N65-21324
- TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE IN IRRADIATED ORGANISM - ANIMAL STUDY
N65-22724
- HUMAN TOLERANCE TO PROLONGED ACCELERATION
AMRL-TR-65-36 N65-27334
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES
NASA-TT-F-9594 N65-36753
- PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS UNDER SPACE FLIGHT CONDITIONS
NASA-TT-F-9597 N65-36756
- ACCELEROMETER**
EYE DYNAMICS STUDIED BY MEANS OF PIEZO-ACCELEROMETER
A65-81014
- ACCIDENT INVESTIGATION**
SA AIRCRAFT ACCIDENT INVESTIGATION
SA SEAT BELT
- PATHOLOGISTS CONTRIBUTION TO AIRCRAFT ACCIDENT INVESTIGATION SHOULD BE AIMED AT SAVING FUTURE LIVES AS WELL AS ESTABLISHING CAUSE OF DEATH
A65-26000
- RELATIONSHIP BETWEEN AIRCRAFT DAMAGE ESTIMATES AND INJURY TO OCCUPANTS
A65-30101
- GALVANIC SKIN RESPONSE OF DRIVERS AND RISK OF ACCIDENTS
A65-80347
- ACCIDENT PREVENTION**
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249

- HELICOPTER ROTOR-BLADE INJURIES AND MEANS OF PREVENTION A65-81623
- USE OF ANTICIPATING PROCESSES IN FLIGHT ACTIVITY FOR SELECTION AND TRAINING OF PERSONNEL AND CONTROL OF ACCIDENTS N65-13662
- ACCIDENT PRONENESS**
- FLIGHT ACCIDENT PREDICTION - REPORT ON TWO STUDIES ON PILOT LIABILITY TO FLIGHT ACCIDENTS AND POSSIBLE PILOT SELECTION A65-81327
- PERCEPTUAL MOTOR SPEED AS RELATED TO ACCIDENT PRONENESS A65-82313
- ACCLIMATIZATION**
- SA ALTITUDE ACCLIMATIZATION
- SA COLD ACCLIMATIZATION
- SA ENVIRONMENTAL SCIENCE
- SA HEAT ACCLIMATIZATION
- SA HEAT TOLERANCE
- SA HUMAN TOLERANCE
- BRAIN MATURATION CORRELATION WITH ALTITUDE ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK SEIZURES IN RATS A65-16782
- DECONDITIONING AND ACCLIMATIZATION SYNDROMES INDUCED BY PROLONGED HYPOXIA A65-18427
- AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR COLLICULUS OF CAT DURING ACOUSTIC HABITUATION A65-80197
- PHYSICAL PERFORMANCE IN VARIOUS ATHLETIC EVENTS AS AFFECTED BY ALTITUDE /7000 FT./ A65-80238
- SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN ACCLIMATIZATION TO WORK IN HEAT A65-80304
- OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT ENVIRONMENT A65-80705
- CHANGES IN RESPIRATION DURING ACCLIMATIZATION IN INTERIOR OF ANTARCTICA A65-80709
- PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH TEMPERATURES IN MAN A65-80848
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES A65-80959
- ANTHROPOMETRIC MEASUREMENTS OF INDIAN SUBJECTS ACCLIMATIZED TO HOT AND COLD CLIMATES A65-80971
- FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT A65-82167
- ADAPTATION TO HYPOXIA AND HIGH ALTITUDE ACCLIMATIZATION N65-17745
- COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA ACCLIMATIZATION N65-17752
- ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY ACCLIMATIZATION TO HYPOXIA N65-17806
- REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA ACCLIMATIZATION N65-17811
- OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN DURING ACCLIMATIZATION TO HYPOXIA N65-17815
- ACCLIMATIZATION TO HYPOXIA BY MAN AND ANIMALS N65-17817
- ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT AIR TEMPERATURE OF MOUNTAINS N65-17819
- BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH MOUNTAIN ENVIRONMENT ACCLIMATIZATION
- CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES N65-17829
- EFFECT OF CLIMATIC FACTORS ON ACCLIMATIZATION TO HIGH ALTITUDE ENVIRONMENTS JPRS-31761 N65-32377
- ACCOMMODATION**
- S VISUAL ACCOMMODATION
- ACETATE**
- ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS NASA-TM-X-51940 N65-29450
- GXALOACETATE PROTECTION OF CITRATE CONDENSING ENZYME FROM PALMITYL- CO A UCRL-7896 N65-35526
- ACETAZOLAMIDE**
- ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT /STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT /ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING HIGH ALTITUDE ACCLIMATIZATION A65-80225
- REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE A65-80731
- ACETIC ACID**
- INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH, STUDIED BY RADIOASSAY A65-31319
- ACETONITRILE**
- OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE N65-18089
- ACETYLCHOLINE**
- ACETYLCHOLINE AND RELATED DRUGS ROLE IN ACCELERATION STRESS TOLERANCE A65-14232
- ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE, PROMETHAZINE, AND PLANT HORMONES AS RELATED TO ACCELERATION TOLERANCE OF RAT A65-80141
- ASPHYXIA INFLUENCE ON ELECTROCORTICAL EFFECTS OF ACETYLCHOLINE - HYPOXIA N65-17771
- MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF ISOLATED FROG HEART AND CATALYTIC ENZYME ACTIVITY OF ACETYLCHOLINE UCRL-12389 N65-19461
- ACID**
- SA ACETIC ACID
- SA AMINO ACID
- SA ASCORBIC ACID
- SA CARBOXYLIC ACID
- SA CYTIDYLIC ACID
- SA DEOXYRIBONUCLEIC ACID /DNA/
- SA FATTY ACID
- SA HYDROFLUORIC ACID
- SA NUCLEIC ACID
- SA OXALIC ACID
- SA PHOSPHORIC ACID
- SA RIBONUCLEIC ACID
- SA URIC ACID
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING PROCESSES IN BRAIN TISSUES OF RATS N65-13730
- ACUTE HYPOXIA INFLUENCE ON ACID RESISTANCE OF ERYTHROCYTES OF DOGS N65-17761
- ACID-BASE BALANCE**
- SA PH FACTOR
- ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE POISONING IN DOGS A65-80292
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD

- BICARBONATE AND BASE EXCESS IN HUMAN CORONARY VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL WORK A65-80452
- ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO STEPWISE ELEVATIONS OF ARTERIAL CARBON DIOXIDE TENSIONS A65-80823
- DIURNAL AND SEASONAL METABOLIC CHANGES IN ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS LIVING IN HOT CLIMATE A65-80960
- ACID-BASE BALANCE CHANGE AFTER EXPOSURE TO HOT, ARID CONDITIONS RELATED TO HYPERVENTILATION A65-80963
- HUMAN RESTING PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND OXYGEN AT HIGH ALTITUDE A65-81148
- ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS A65-81803
- PULMONARY CIRCULATION AND HEART FUNCTION IN RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES A65-82301
- ACIDOSIS
RESPIRATION AND CEREBROSPINAL FLUID PH IN METABOLIC ACIDOSIS AND ALKALOSIS IN MAN A65-81905
- ACOUSTIC ATTENUATION
NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING LAUNCHING AD-460990 N65-34383
- ACOUSTIC IMPEDANCE
EFFECT OF TYMPANIC MUSCLE ACTIVITY ON MOVEMENT OF EARDRUM, ACOUSTIC IMPEDANCE AND COCHLEAR MICROPHONICS A65-81505
- CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE AMRL-TR-64-116 N65-19152
- ACOUSTIC RADIATION
ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY ANIMALS AND ANIMALS WITH RADIATION SICKNESS N65-28704
- ACOUSTIC VIBRATION
BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE AMRL-TR-65-11 N65-30036
- ACOUSTICS
SA NOISE
SA PSYCHOACOUSTICS
SA SOUND
- ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY REPT.-1159 N65-13172
- EFFECT OF INDUSTRIAL NOISES ON HUMAN ORGANISM, AND SANITARY PROTECTION OF AIR JPRS-29216 N65-19664
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL DETECTION OF LIGHT SIGNAL ESD-TR-64-557 N65-21144
- SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS - INSTRUMENTATION, NASAL CAVITY STRUCTURES, ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS STL-QPSR-4/1964 N65-23850
- SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS CORRELATED WITH SPEECH WAVE DATA AND PHYSIOLOGICAL STRUCTURES AFCRL-65-272 N65-30196
- COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A FULL PRESSURE SUIT ASSEMBLIES AMRL-TR-65-86 N65-31630
- VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE
- DETERMINATION - AEROSPACE MEDICINE SAM-TR-65-27 N65-35036
- ACQUISITION
S DATA ACQUISITION
S TARGET ACQUISITION
- ACTH
S ADRENOCORTICOTROPIN /ACTH/
- ACTINOMYCETES
CHEMICAL SYNTHESIS OF ACTINOMYCIN ANALOGS - PREPARATION OF HETEROAROYL PEPTIDES AR-3 N65-31233
- ACTIVATION
S NEUTRON ACTIVATION
- ACTIVATION /BIOL/
SA STIMULATION
CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN BIOLOGICAL FLUIDS KR-80 N65-30572
- ACTIVATION ENERGY
NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC SYSTEM, NOTING FEASIBILITY OF OPERATION A65-16425
- ACTIVITY
S CATALYTIC ACTIVITY
S ENZYME ACTIVITY
S SOLAR ACTIVITY
- ACTIVITY /BIOL/
SA CATALYTIC ACTIVITY
VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC ACTIVITY A65-80783
- DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA, INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING ANIMALS AS RELATED TO BODY TEMPERATURE A65-81469
- BODILY ACTIVITY AND PERCEPTUAL ACTIVITY A65-81652
- BEHAVIOR PATTERNS OF GROUPS EXPERIMENTALLY CONFINED IN FALLOUT SHELTER A65-81659
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS LEVELS A65-82161
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE DERIVATIVE A65-82300
- PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS OF LIMITED MOTOR ACTIVITY N65-13693
- ACTIVITY VARIATIONS OF PHOTOSYNTHETIC MECHANISMS IN GREEN PLANT CELLS N65-16813
- PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY OF BRAIN RSIC-298 N65-20526
- GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION N65-23444
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY NASA-TT-F-9426 N65-27712
- CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF SENSITIVITY TO ROTATION IN WHITE RATS NASA-CR-67253 N65-35110
- ACTIVITY CYCLE /BIOL/
SA BIOLOGICAL RHYTHM
SA PERIODICITY /BIOL/

ACTUATOR

SUBJECT INDEX

DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268

INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT A65-81107

OXYGEN CONSUMPTION, THERMAL CONDUCTANCE, AND
TORPOR IN CALIFORNIA POCKET MOUSE, PEROGNATHUS
CALIFORNICUS A65-81679

RELATION BETWEEN TORPOR CYCLE AND HEAT EXCHANGE IN
CALIFORNIA POCKET MOUSE, PEROGNATHUS CALIFORNICUS
A65-81680

ACTUATOR

CHARACTERISTICS OF SWITCH ACTUATORS FOR
COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE,
NOTING RESPONSE TIME AND ERROR A65-35473

ADAPTATION

SA RETINAL ADAPTATION

AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION A65-80055

MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD
AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066

THERMAL STIMULATION OF EXPERIMENTALLY
VASOCONSTRICTED HUMAN SKIN AND ADAPTATION
A65-80251

HIGH-AND LOW-LEVEL SOUND EXPOSURES AND
RELATION TO AUDITORY FATIGUE AND ADAPTATION
A65-80270

REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND
CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS
ADAPTED TO TUMBLING TRAUMA A65-80331

LYMPHOCYTOPENIA AND ADAPTATION AFTER TUMBLING
TRAUMA IN RAT A65-80332

PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH
ALTITUDE EXPOSURE A65-80493

ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS
ADAPTED TO HYPOXIA A65-80590

ADAPTATION TO PRISMATICALLY ROTATED VISUAL FIELDS
A65-81020

EXTERNAL ELASTIC AND THRESHOLD LOADING ON
BREATHING IN MAN A65-81146

HYPOXIC DRIVE IN NORMAL INDIVIDUALS AND PATIENTS
WITH CHRONIC HYPOXEMIA A65-81188

PROPOSED FRAMEWORK FOR ANALYSIS OF STRESS IN
HUMANS A65-81207

POSSIBILITIES OF HUMAN ADAPTATION TO DAY AND NIGHT
WORK SHIFT A65-81335

REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION
DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT
A65-81536

VISUAL CONTROL OF HABITUATION TO COMPLEX
VESTIBULAR STIMULATION IN MAN A65-81538

COMMENT ON SELF-INDUCED MOVEMENT AS DETERMINANT OF
SPATIAL ADAPTATION A65-81559

PASSIVE TEST OF EYE-HAND COORDINATION WITH PRISM
DISPLACEMENT AND ADAPTATION MEASURED BY ERROR FROM
PRETEST TO POST TEST A65-81649

PHENOMENAL VERTICAL AND PERCEPTION OF CHANGE IN
SPATIAL ORIENTATION A65-81655

DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION
OF CENTRAL AND PERIPHERAL RETINA A65-81656

CHANGES IN OXIDATIVE PROCESSES AND ORGANIC ACID
EXCRETION RATE DURING ADAPTATION TO COLD IN MAN
A65-81766

MANNED SPACE FLIGHT - REVIEW OF PROBLEMS OF SENSOR
DEPRIVATION, ADAPTATION AND PHYSICAL HAZARDS
A65-81832

RESPONSE LATENCY IN SIMPLE VIGILANCE TASK AS
FUNCTION OF TEMPORAL PATTERN OF STIMULATION
A65-81855

INTEROCULAR TRANSFER AND NEGATIVE AFTEREFFECT
AFTER PRISM-INDUCED DISTORTION OF VISION
A65-81857

INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN
ENVIRONMENTAL TEMPERATURE A65-81912

RAPID ADAPTATION IN CONSTANCY OF VISUAL DIRECTION
WITH ACTIVE AND PASSIVE ROTATION A65-81934

ADAPTATION OF HUMANS TO PROLONGED ACTION OF
CORIOLIS ACCELERATION A65-81937

VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT
EXAFFERENT STIMULATION A65-81980

GRADED CONTRAST EFFECTS IN JUDGMENT OF LIFTED
WEIGHTS A65-81986

ADAPTATION OF DOMESTIC MICE TO COLD ENVIRONMENT
A65-82103

SIGNIFICANCE OF OLIVO-COCHLEAR BUNDLE FOR
ADAPTATION MECHANISM OF INNER EAR A65-82131

SELECTIVE INTERMANUAL TRANSFER OF ADAPTIVE EFFECTS
DURING ADAPTATION TO PRISM A65-82282

ADAPTATION OF HUMANS TO COLORED SPLIT-FIELD
GLASSES A65-82283

HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS
A65-82318

PHYSIOLOGICAL ADAPTATION OF WARM BLOODED ANIMALS
TO LOW TEMPERATURES
FTD-TT-64-445/1&2 N65-16291

LOWER VERTEBRATES ADAPTATION TO HYPOXIA
N65-17753

MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774

ADULT HUMAN ADAPTATION TO HYPOXIA
N65-17775

ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA
OR HYPERTENSION N65-17795

HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH
N65-17803

PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION
TO HIGH MOUNTAINS N65-17812

MECHANISMS USED BY ORGANISMS TO ADAPT TO HIGH
ALTITUDE CONDITIONS N65-17818

THERMAL MOLECULAR MOTION OF LIVING PROTOPLASM -
ENVIRONMENTAL ADAPTATION N65-28289

GENETIC ADAPTATION OF ORGANISMS TO RADIATION AND
PRACTICAL USE OF MUTAGENS N65-28290

ADAPTIVE CONTROL

OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN
PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL
SYSTEMS A65-10547

MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE
VEHICLES COVERING GENERAL CONTROL PATTERNS AND
CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND
LIMITS A65-34986

ADAPTIVE CONTROL SYSTEM
SA SELF-ADAPTIVE SYSTEM

OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN
PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL
SYSTEMS A65-10542

NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA
AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES
A65-34985

MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE
CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN
FLOW TO SKELETAL MUSCLES A65-34988

ADENOSINE TRIPHOSPHATE /ATP/

EFFECT OF CAMPHOR ON CARBOHYDRATE-PHOSPHORUS AND
OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA
IN RATS A65-80628

PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION A65-81767

HISTOCHEMICAL EXAMINATION OF CHANGES IN
DISTRIBUTION OF EFFECT OF SUCCINIC
DEHYDROGENASE, CARBOANHYDRASE, ATP AND
SULFHYDRYL GROUPS OF INNER ORGANS IN HYPOXIA
N65-13758

CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070

RADIATION INDUCED CHANGES IN ADENOSINE
TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO
CHRONIC GAMMA IRRADIATION AND INFLUENCE OF
VARIOUS FACTORS ON ACUTE RADIATION INJURY
N65-19218

RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828

EFFECT OF LETHAL DOSAGES OF X-RAYS ON ATP
CONTENT IN LIVER AND PHOSPHOPROTEIN EXCHANGE
IN GUINEA PIGS
FTD-TT-64-1163/1 N65-29119

RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
STRUCTURE OF BIOLOGICAL MEMBRANES
JPRS-32016 N65-34453

ADIPOSE TISSUE

COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN
FAT OF HAMSTERS A65-80096

INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON
METABOLISM OF ADIPOSE TISSUE IN RAT
A65-80182

REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND
CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS
ADAPTED TO TUMBLING TRAUMA A65-80331

REPORT ON STUDIES WITH GROUND HOG, MARMOTA
MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
INVESTIGATIONS OF BLOOD AND BROWN FAT
A65-81457

TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460

EXPERIMENTAL HYPOTHERMIA AND BROWN ADIPOSE TISSUE
IN RAT RELATED TO HIBERNATION A65-81468

THERMOGENIC FUNCTION OF BROWN ADIPOSE TISSUE OF
RAT EXPOSED TO COLD A65-81471

MEASUREMENT OF FAT CONTENT OF REPUBLIC OF KOREA
FLYING PERSONNEL A65-81489

METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN
MAMMALS A65-81743

CHANGES IN ADIPOSE TISSUE IN RATS ACCLIMATED TO
HIGH ALTITUDE A65-82015

ADRENAL GLAND

METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416

STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN
MACACA NEMESTRINA A65-80307

ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
TO RADIATION DAMAGE INFLICTED AFTER USE OF
CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
IN RATS AND MICE A65-80541

STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592

HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF
SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING
A65-80834

LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN
AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT
A65-81592

VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN
HIGH ALTITUDE ENVIRONMENT N65-17826

INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS
IN MALE MINERS WITH SECOND AND THIRD STAGE
VIBRATION SICKNESS N65-22644

PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891

ADRENAL METABOLISM

SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482

DAILY ADRENAL RHYTHM IN EQUATORIAL AMERINDIANS
MEASURED BY URINARY HYDROXYCORTICOSTEROIDS
A65-81553

ADRENAL CORTEX FUNCTION IN SUBJECTS WITH BENZENE
POISONING A65-82195

VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND
ADRENALINE ACTIVITY UNDER EXPERIMENTAL
CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN
BLOOD OF PATIENTS WITH VIBRATION SICKNESS
JPRS-30845 N65-27030

ADRENALINE

S EPINEPHRINE

ADRENERGICS

SA ANTIADRENERGICS

CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING
HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL
A65-82250

HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254

ADRENOCORTICOTROPIN /ACTH/

BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND
PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED
BY HYPOXIA A65-81026

AERIAL PHOTOGRAPHY

ENHANCING QUALITY OF IMAGERY INVESTIGATED USING
STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS
AMRL-TR-65-28 N65-30632

- AERIAL RECONNAISSANCE** A65-14239
 SPEED AND ACCURACY OF TARGET RECOGNITION BY NAVIGATORS USING SIDE-LOOKING RADAR DURING AERIAL RECONNAISSANCE
 AMRL-TR-64-101 N65-14001
- PROGRAMMED INSTRUCTION AND LOW ALTITUDE AERIAL OBSERVATION
 HUMRRO-RR-14 N65-17468
- AERODYNAMIC FORCE**
 HIGH SPEED AND HIGH ALTITUDE AIRCRAFT ESCAPE BY EJECTION SEAT - AERODYNAMIC FORCE AND RAREFACTION EFFECTS
 FTD-TT-65-260/162 N65-22447
- AERONAUTICS**
 AERONAUTICAL TRAINING AND MILDEW PREVENTION IN CHINA
 JPRS-27506 N65-12183
- PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS, AVIATION, AND ASTRONAUTICS N65-13746
- AEROSOL**
 INERT MONO- AND POLYDISPERSED AEROSOLS TO TEST EFFICIENCY OF AIRBORNE BACTERIA SAMPLERS
 A65-30140
- TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
 A65-80545
- COMPARISON OF AIRBORNE BACTERIA SAMPLERS BY MEANS OF INERT MONO- AND POLYDISPERSED AEROSOLS
 A65-81444
- TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES IN INDUSTRY
 JPRS-29913 N65-23145
- CHARACTERISTICS OF IMPACTION AND BIOLOGICAL FILTRATION AEROSOL COLLECTION MECHANISMS IN STRATOSPHERE
 N65-23985
- SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS
 JPRS-30503 N65-26034
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS - RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
 AEC-TR-6550 N65-27771
- AEROSOLS, BIOLOGICAL PATHOGENS, CHEMICAL SUBSTANCES - BIBLIOGRAPHY OF SOVIET OPEN LITERATURE PRIOR TO 31 DECEMBER 1962
 ATD-B-65-43 N65-32709
- AEROSPACE MEDICINE**
 SA BIOASTRONAUTICS
 SA BIOSIMULATION
 SA INJURY
- TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963
 A65-10483
- GEMINI MEDICAL EXPERIMENTS FOR DETERMINING WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED SPACEFLIGHT
 A65-10639
- PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-ENCEPHALOGRAPHIC TESTS
 A65-10870
- PHYSIOLOGICAL REACTIONS TO PROLONGED WEIGHTLESSNESS, EXAMINING PROJECT MERCURY OBSERVATIONS
 A65-12544
- LIGHT ATTACK AND FIGHTER BOMBER PILOTS PROBLEMS CONCERNING PILOT COMFORT, EFFICIENCY AND SURVIVAL, FLIGHT SAFETY AND COMBAT EFFECTIVENESS
 A65-14226
- AEROSPACE MEDICAL AND BIOENGINEERING CONSIDERATIONS IN M-2 LIFTING BODY RESEARCH VEHICLE, DISCUSSING PROTECTIVE EQUIPMENT, ESCAPE AND MEDICAL MONITORING SYSTEMS
 A65-14229
- AVIATION PERSONNEL SYNCOPE EVALUATED, CONSIDERING PHYSIOLOGICAL CAUSES AND HYPERSENSITIVE RESPONSES
- BIOASTRONAUTICS AND AEROSPACE MEDICINE RESEARCH APPLICATIONS IN MANNED SPACE PROGRAMS AND IN EARTH ENVIRONMENT
 A65-14524
- MEDICAL ASPECTS OF MANNED ORBITAL LABORATORY /MOL/ CONSIDERING MISSION DURATION IN ORBIT, PHYSICAL CAPABILITIES, LIFE SUPPORT AND WEIGHTLESSNESS
 A65-14575
- CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE LEVELS
 A65-14804
- GEMINI FLIGHT MEDICAL PROGRAM TO PREPARE ASTRONAUTS FOR EXTRAVEHICULAR ACTIVITY IN ORBIT
 A65-20240
- TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING SOLID STATE AMPLIFIERS
 A65-24200
- AVIATION MEDICINE IN GERMANY
 A65-27048
- PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD VOSKHOD I AND II
 A65-28943
- BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC
 A65-29067
- HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST FLIGHTS
 A65-29068
- PHARMACEUTICALS AND ADMINISTRATIVE MEANS FOR EFFECTING PERFORMANCE CHANGES IN ASTRONAUTS UNDER FLIGHT STRESSES
 A65-33278
- WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION COUNTERACTED BY VARIOUS DRUGS
 A65-33279
- ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW MEASUREMENTS
 A65-33281
- DECOMPRESSION SICKNESS AND INCIDENCE OF NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF MEDICAL TEAM
 A65-34200
- MANS ADAPTATION TO WEIGHTLESSNESS, NOTING ASTRONAUT VULNERABILITY AND REQUIREMENT OF MEDICAL CARE IN SPACE
 A65-35107
- MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT ACCIDENTS
 A65-36003
- FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY, PILOT COMFORT, AND SURVIVAL
 A65-80133
- HUMAN ENGINEERING AND AEROSPACE MEDICINE AS RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT, ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION AND EVALUATION TECHNIQUES
 A65-80138
- AEROSPACE MEDICINE - RELATION TO JOB REQUIREMENTS, SELECTION AND TRAINING OF ASTRONAUTS, AND SPACE FLIGHT STRESSES
 A65-80183
- MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS
 A65-80371
- READERSHIP SURVEY ON UTILIZATION OF ABSTRACTS OF CURRENT LITERATURE SECTION OF AEROSPACE MEDICINE
 A65-80388
- X-RAY DIAGNOSIS - REVIEW OF PROGRESS SINCE 1941 AND APPLICATION TO AVIATION MEDICINE
 A65-80404
- COMPARISON OF ROTATORY AND CALORIC TESTS FOR DIAGNOSIS OF VESTIBULAR FUNCTION
 A65-80586

SUBJECT INDEX

AEROSPACE MEDICINE

CONTRIBUTIONS OF AEROSPACE MEDICAL RESEARCH TO
EVERYDAY LIFE A65-80623

MEDICAL ASPECTS OF GEMINI AND APOLLO PROJECTS
A65-80847

AGOSTINO GEMELLI, PIONEER OF AEROSPACE MEDICAL
STUDIES IN ITALY A65-80924

CONTRIBUTION OF AGOSTINO GEMELLI TO PROGRESS OF
GENERAL AND AVIATION PSYCHOLOGY A65-80925

AVIATION MEDICINE AND RESEARCH IN FIELD OF
OTORHINOLARYNGOLOGY IN WORK OF AGOSTINO GEMELLI
A65-80926

AEROSPACE MEDICINE AND PROBLEMS IN MANNED SPACE
FLIGHT A65-80935

MUSCLE CRAMPS INVESTIGATED IN EIGHTEEN YEAR OLD
AVIATION CADETS AND RELATION TO JOINT TRAUMA
A65-80978

MEDICAL PROBLEMS OF HUMAN ENGINEERING IN MANNED
SPACE FLIGHT A65-81103

DIABETES DETECTION METHODS IN AEROMEDICAL
EXAMINATIONS A65-81110

PHYSIOLOGICAL TELEMETRY AND PROCESSING OF MEDICAL,
ZOOLOGICAL AND BIOASTRONAUTICAL DATA A65-81314

AVIATION PSYCHOLOGY- PERSONNEL SELECTION,
TRAINING, AND HUMAN FACTORS A65-81366

AVIATION PSYCHOLOGY IN FRENCH AIR FORCE
A65-81368

CLINICAL ASPECTS OF AEROSPACE NURSING AND
EDUCATIONAL REQUIREMENTS OF NURSES A65-81374

PACAF MEDICAL CONFERENCE 1964, INCLUDING AEROSPACE
MEDICAL PROBLEMS OF FLYING PERSONNEL- HEARING,
MOTION SICKNESS, AERODONTALGIA AND PERSONNEL
TRAINING A65-81430

MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR
AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY
FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION
A65-81520

INTERNATIONAL CONGRESS ON AVIATION AND SPACE
MEDICINE, HELD IN MADRID, OCTOBER 1962 A65-81807

USE OF RESPIRATORY IMPEDANCE IN AEROSPACE MEDICINE
A65-81823

HISTORY OF SPANISH CONTRIBUTIONS TO AVIATION AND
SPACE MEDICINE A65-81828

RESEARCH AND FACILITIES AT AEROSPACE MEDICAL
CENTER OF ROME, ITALY A65-81836

HEARING PROTECTION METHODS IN NETHERLANDS AIR
FORCE A65-82054

ACUTE MENTAL BREAKDOWN IN AIRMEN DURING BASIC
TRAINING A65-82225

MAN-MACHINE SYSTEMS IN PREVENTIVE MEDICINE AND
AVIATION MEDICINE A65-82319

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/04/ N65-10228

ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277 N65-10303

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/01/ N65-11057

BIOASTRONAUTICS AND SPACE MEDICINE

NASA-TT-F-9155 N65-11306

AVIATION MEDICINE - SPACE SCIENCE
JPRS-27883 N65-12931

EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995

ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE
FLIGHT AND SUBMARINE MEDICINE
JPRS-27767 N65-13417

AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED
BIBLIOGRAPHY
NASA-SP-7011/05/ N65-13829

MEDICAL PROBLEMS IN SPACE TRAVEL - AEROSPACE
MEDICINE
JPRS-28113 N65-14157

AEROSPACE MEDICINE AND BIOLOGY - CONTINUING
BIBLIOGRAPHY
NASA-SP-7011/06/ N65-17879

RADIO ELECTRONICS IN SPACE MEDICINE
FTD-TT-64-836/162 N65-18041

PROBLEMS OF SPACE BIOLOGY AND MEDICINE - SPEED
AND ACCELERATION, WEIGHTLESSNESS, BIOSPHERE, FOOD
SUPPLY, HUMAN FACTORS, COSMIC RADIATION
FTD-MT-63-200 N65-18427

APPLICATIONS OF AEROSPACE MEDICAL RESEARCH TO
NEUROPHYSIOLOGICAL REHABILITATION
N65-18532

BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS,
WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN
MEDICOBIOLOGY
JPRS-29069 N65-18784

MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT
N65-18787

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/08/ N65-19038

BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/07/ N65-19271

MEDICAL ASPECTS OF MANNED SPACE FLIGHT
EP-17 N65-19947

CONTRIBUTION OF LABORERS, ENGINEERS, TECHNICIANS,
AND SCIENTISTS TO SPACE FLIGHT TECHNOLOGY AND
MEDICINE
FTD-TT-64-920/162 N65-20018

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE
AM-64-20 N65-20372

NEW FRONTIERS OF SPACE MEDICINE AND SCIENCE
JPRS-29456 N65-20831

ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION
ABSORPTION ON ANIMALS, FLIGHT MEDICINE,
PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN
PATHOLOGY N65-21202

AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED
BIBLIOGRAPHY FOR 1962 AND 1963
NASA-CR-62127 N65-21424

HISTORY AND DEVELOPMENT OF AVIATION MEDICINE IN
U.S.S.R.
NASA-TT-F-176 N65-21725

FORERUNNERS OF AVIATION MEDICINE - STUDIES OF
MOUNTAIN SICKNESS AND CONSUMPTION OF RAREFIED
AIR N65-21726

DEVELOPMENT OF AVIATION MEDICINE IN U.S.S.R.
N65-21727

PROGRESS OF AVIATION MEDICINE OUTSIDE U.S.S.R.
DURING AND AFTER FIRST WORLD WAR

- N65-21728 N65-27136
- SOVIET AVIATION MEDICINE AND ITS ORIGIN N65-21729
- SOVIET AVIATION MEDICINE N65-21730
- REVIEW OF RESEARCH IN AVIATION MEDICINE IN VARIOUS COUNTRIES DURING YEARS 1920 TO 1930 N65-21731
- REVIEW OF RUSSIAN RESEARCH IN AVIATION MEDICINE DURING YEARS 1930 TO 1940 N65-21732
- RUSSIAN STUDIES OF PHYSIOLOGICAL EFFECTS OF HIGH MOUNTAIN ENVIRONMENTS - APPLICATIONS TO AVIATION MEDICINE N65-21733
- REVIEW OF RUSSIAN RESEARCH IN AVIATION MEDICINE DURING THE YEARS 1940 TO 1945 N65-21734
- BIBLIOGRAPHY ON AVIATION MEDICINE FROM BEGINNING TO YEAR 1950 N65-21735
- AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY NASA-SP-7011/09/ N65-22614
- AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY NASA-SP-7011/10/ N65-22615
- BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE MEDICINE AND BIOASTRONAUTICS PUBLISHED IN U.S.S.R., 1962-1964 NASA-TT-F-270 N65-22968
- OBSERVATIONS AND TESTING OF COSMONAUTS AND ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL ABOARD VOSKHOD MANNED SPACECRAFT JPRS-29911 N65-23053
- MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY, AND SPACE SUITS - U.S.S.R. SPACE PROGRAM JPRS-29998 N65-23777
- PHYSIOLOGY OF FLYING - MEDICINE JPRS-29953 N65-24732
- MEDICO-BIOLOGICAL STUDIES OF FLIGHT CONDITIONS AND TRAINING - GRAVITY LOAD, WEIGHTLESSNESS, FLIGHT SIMULATION JPRS-29999 N65-24861
- RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE - AEROSPACE MEDICINE JPRS-30528 N65-25540
- AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE CABIN SIMULATOR, AND DYNAMIC RESPONSE AD-612636 N65-25895
- PHYSIOLOGICAL RESPONSE TO SPACE FLIGHT - PARABOLIC FLIGHT, CARDIOVASCULAR DIURNAL RHYTHM, EYE ACTIVITY, AND EFFECTS OF ANGULAR AND CORIOLIS ACCELERATION JPRS-30859 N65-26917
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN PARABOLIC FLIGHT N65-26918
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS DURING SPACE FLIGHT N65-26919
- PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY DURING ORBITAL SPACE FLIGHT N65-26920
- PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS ACCELERATIONS N65-26921
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE TRANSLATIONS AM-65-17 N65-26955
- ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION AM-65-18 N65-26956
- BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
- COMPILATION OF ABSTRACTS ON SPACE MEDICINE AND BIOLOGY, SPACE PHYSIOLOGY, AND SPACE VEHICLE ECOLOGY - LIFE SUPPORT SCIENCES ATD-P-64-66 N65-27748
- EFFECT OF CORIOLIS ACCELERATION ON HUMANS - AEROSPACE MEDICINE JPRS-30927 N65-28174
- EFFECTS OF DISCONTINUOUS EXPOSURE TO HIGH OXYGEN LOW PRESSURE ENVIRONMENT ON RATS - AEROSPACE MEDICINE NASA-CR-63790 N65-28346
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN NASA-SP-7011/11/ N65-29648
- CONTINUING BIBLIOGRAPHY OF AEROSPACE MEDICINE AND BIOLOGY NASA-SP-7011/12/ N65-29649
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY NASA-SP-7011/13/ N65-30951
- MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING ASTRONAUT SELECTION AND TRAINING, RESULTS OF LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND BIOMEDICAL PLANNING FOR SPACE FLIGHTS NASA-SP-4003 N65-32394
- TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR MANNED SPACE FLIGHTS NASA-TN-D-2695 N65-33350
- MATHEMATICAL METHODS APPLIED TO AVIATION AND SPACE MEDICINE - SUMMARY OF REPORTS GIVEN AT CONFERENCE NASA-TT-F-374 N65-33364
- BIOINSTRUMENTATION FOR AEROSPACE MEDICINE - CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM SIMULATOR, AND ELECTRON VOLTAGE STABILIZER FTD-TT-64-1089/162 N65-33752
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY NASA-SP-7011/14/ N65-33830
- AVIATION MEDICINE MANUAL FOR PERSONNEL TRAINING NASA-TT-F-8403 N65-33950
- VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE DETERMINATION - AEROSPACE MEDICINE SAM-TR-65-27 N65-35036
- BIBLIOGRAPHY ON BALLISTOCARDIOGRAPHY NASA-SP-7021 N65-35520
- DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE CYBERNETICS NASA-TT-F-9588 N65-35783
- MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED SPACECRAFT - AEROSPACE MEDICINE NASA-TT-F-9591 N65-35785
- SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS - AEROSPACE MEDICINE NASA-TT-F-350 N65-35828
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL LABYRINTHINE DEFECTS - AEROSPACE MEDICINE NASA-CR-67520 N65-36432
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO ROTATING ENVIRONMENT - AEROSPACE MEDICINE NASA-CR-67553 N65-36553

- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO NEAR VACUUM AND SUBSEQUENT RECOMPRESSION - AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING SUBJECTED TO DECOMPRESSION TO NEAR VACUUM FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES BEFORE, DURING, AND AFTER RAPID DECOMPRESSION TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC CORTICAL LEADS IN CHIMPANZEE FOR ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE MEDICINE
N65-36771
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY WITH INDEXES
NASA-SP-7011/15/ N65-36894
- AEROSPACE SYSTEM
BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS
ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN
RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279
- AEROSPACE TECHNOLOGY
TRANSFER OF AEROSPACE TECHNOLOGY TO BIOMEDICINE
NASA-CR-60635 N65-16932
- MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND TECHNOLOGY
NASA-CR-64601 N65-33128
- AEROSPACE VEHICLE
BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION PROCESSES
QTR-3 N65-25572
- AFTERGLOW
EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF SERUM ALBUMIN
N65-31040
- AFTERIMAGE
INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE SITUATIONS
A65-10536
- SIMULTANEOUS CONTRAST INVOLVING LUMINANCE AND PURITY ALTERATION OF GANZFELD
A65-80240
- POSITIVE AFTERIMAGE AND MEASUREMENT OF LIGHT AND DARK ADAPTATION
AD-610733 N65-27798
- AGE FACTOR
AGE DEPENDENCE OF PILOT RESPONSE IN SIGNAL SEQUENCE IDENTIFICATION BY APPROPRIATE CONTROL OPERATION AT MAXIMUM SPEED AND MINIMUM ERROR
A65-22901
- AGE AND STIMULUS SIZE EFFECTS ON PERCEPTION IN MAN
A65-80014
- DETERMINANTS OF FORCED VITAL CAPACITY AND EXPIRATORY VOLUME AS RELATED TO AGE AND SEX
A65-80051
- SHORT-TERM MEMORY AND RETROACTIVE INTERFERENCE IN VISUAL PERCEPTION
A65-80091
- TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY CHARACTERISTICS OF AIR TRAFFIC CONTROL SPECIALIST RELATED TO PASS-FAIL DATA
A65-80144
- ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK CAPACITY AND ANTHROPOMETRIC MEASUREMENTS OF MIDDLE-AGED MEN
A65-80203
- EVALUATION AND PREDICTION OF PHYSICAL FITNESS IN MEN OF DIFFERENT AGES USING MODIFIED APPARATUS OF HARVARD STEP TEST
A65-80209
- ELECTROENCEPHALOGRAPH CHANGES IN CHEMICAL FACTORY WORKERS FOLLOWING CARBON DISULFIDE POISONING AS RELATED TO TIME SINCE LAST EXPOSURE AND AGE
A65-80229
- INTERMODAL DIFFERENCES IN PERCEPTUAL DELAY AND SPEED OF READING AND TAPPING
A65-80259
- AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR LEARNING
A65-80262
- PHYSICAL INSULATION OF HEALTHY MEN AND WOMEN OVER 60 YEARS
A65-80275
- DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN WASHOUT METHOD
A65-80306
- FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES
A65-80402
- GROWTH RATE OF MICE OF DIFFERENT AGES EXPOSED TO HOMOGENEOUS AND INHOMOGENEOUS MAGNETIC FIELDS
A65-80416
- CIRCULATING LEUKOCYTE NUMBER CHANGES OF YOUNG AND OLD FEMALE MICE EXPOSED TO MAGNETIC FIELDS
A65-80418
- MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE AS RELATED TO TISSUE TYPE AND AGE AND FIELD STRENGTH AND TEMPERATURE
A65-80426
- NUTRITIONAL REQUIREMENTS IN HOT AND COLD ENVIRONMENTS AS RELATED TO AGE
A65-80500
- SYNTHETIC ACTIVITY DURING NONSYNCHRONIZED GROWTH CHLORELLA, SEPARATED INTO AGE GROUPS BY FRACTIONAL CENTRIFUGATION
A65-80505
- PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF TWO AGE GROUPS IN HOT CONDITIONS
A65-80629
- LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET, MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM
A65-80631
- PROBLEM-SOLVING ABILITY OF YOUNG, MIDDLE-AGED, AND OLD MALES
A65-80655
- CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE AND HEART VOLUME
A65-80693
- MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS - INTERPRETATION AND MODIFICATION ACCORDING TO AGE AND TRAINING
A65-80695
- PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN
A65-80696
- PEAK OXYGEN INTAKE DURING PHYSICAL FITNESS PROGRAM FOR MIDDLE-AGED MEN
A65-80732
- RELATION OF AGE TO VIGILANCE AND REACTION TIME
A65-80738
- PHOTOSYNTHETIC ACTIVITY IN SMALL AND LARGE CELLS OF CHLORELLA PYRENOIDOSA, 7-11-05
A65-80811
- IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI RELATED TO AGE
A65-80864
- AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS AUDITORY AND VISUAL STIMULATION
A65-80865

- INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE METABOLISM IN HOT DRY REGION AS AFFECTED BY PHYSICAL ACTIVITY A65-80952
- FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS A65-80991
- CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF DIFFERENT AGES EXPOSED TO ACCELERATION STRESS A65-81023
- AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL RESPONSE AND VOLUNTARY RESPONSES A65-81121
- DIFFICULTY IN DISCRIMINATING BETWEEN RELEVANT AND IRRELEVANT INFORMATION RELATED TO AGE A65-81122
- OXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN DURING PHYSICAL EXERCISE A65-81143
- HEART MINUTE VOLUME DURING PHYSICAL EXERCISE AS INFLUENCED BY BODY SURFACE AREA AND AGE A65-81348
- ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN MONKEYS OF DIFFERENT AGES IN RESPONSE TO RHYTHMICAL LIGHT FLASHES A65-81354
- AGE FACTOR IN RETENTION OF CALCIUM IN BLOOD PLASMA A65-81385
- MENTAL CAPACITY AS FUNCTION OF AGE /17-40 YEARS/ IN GROUPS OF PROFESSIONAL WORKERS A65-81395
- AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT A65-81405
- INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND ELDERLY SUBJECTS A65-81548
- ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT A65-81602
- AGE LIMIT OF SPANISH MILITARY AND CIVILIAN PILOT A65-81814
- BACKACHE IN AIRPLANE AND HELICOPTER FLYING PERSONNEL RESULTING FROM ACCIDENTS, INCREASING AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY A65-81818
- DISCRIMINATION OF AUDITORY INFORMATION AS RELATED TO AGE A65-81863
- EFFECT OF AGE UPON SPEED OF CONCEPT ATTAINMENT A65-81864
- SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH SEXES LIVING AT HIGH ALTITUDE A65-81964
- AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY MICROWAVE RADIATION IN RABBIT A65-82037
- CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR WORKERS OF VARIOUS AGES A65-82038
- SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-COLLIP DRUM TRAUMA OR HYDROCORTISONE ADMINISTRATION, IN YOUNG AND OLD RATS A65-82090
- POSTURE, TOWER TRAINING, AND AGE OF FLYING PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF SPINE DURING EJECTION A65-82125
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE, ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS, AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS BREATHING NEARLY PURE OXYGEN A65-82154
- PULSE RATE EFFECT ON CONTRACTION PHASES OF HEART IN MAN AT DIFFERENT AGES A65-82212
- HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL EXERCISE A65-82302
- SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE AND BAROTRAUMA EXPOSURE A65-82371
- CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR IN FLIGHT PERFORMANCE OF PILOTS N65-13691
- INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY AND DURING PERFORMANCE N65-13772
- EFFECT OF PARACHUTE JUMPS ON PERSONS IN DIFFERENT AGE GROUPS N65-13776
- INVESTIGATION OF CARDIOVASCULAR, NEUROLOGICAL, PULMONARY, VISION, AUDITORY, AND BIOCHEMICAL SYSTEMS FOR STUDY OF AGING IN AVIATION PERSONNEL AM-64-1 N65-15169
- AGE AS FACTOR IN ORGANISM REACTION TO HYPOXIA N65-17757
- AGE AS FACTOR IN HUMAN ADAPTION TO HYPOXIA N65-17758
- REACTION OF AGING ORGANISM TO ACUTE HYPOXIA N65-17763
- AGE FACTOR IN REACTION OF HEART TO HYPOXIA N65-17764
- EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION TO HYPOXIA IN AGING HUMANS N65-17765
- HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES DURING HYPOXIC HYPOXIA JPRS-28921 N65-19810
- EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC STIMULI ON DEVELOPMENT OF NUTRITIONAL CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- AGGLUTINATION**
- AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION AND COULTER COUNTER A65-80427
- AGING**
- SA GERONTOLOGY
- SA STORAGE
- STRENGTH OF HEART AND EFFECT OF AGING A65-80206
- INCREASING AGE EFFECT ON DISTRIBUTION OF PERIPHERAL AND REGIONAL FLOW IN MAN A65-80814
- AGING AND VISUAL IDENTIFICATION OF TACTUAL-KINESTHETIC FORMS A65-81123
- STATISTICAL STUDY OF HEARING LOSS WITH AGE AND MATHEMATICAL FORMULA DESCRIBING VARIATION IN AUDITORY SENSITIVITY A65-81221
- HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON RED BLOOD CELLS IN HAMSTER A65-81498
- PRESENESCENT ELECTROENCEPHALOGRAPHIC CHANGES IN NORMAL SUBJECTS A65-81860
- SIMULTANEOUS STUDY OF THYROID, GONADS, AND ADRENAL FUNCTION IN AGING MEN FOR ASSESSING PHYSIOLOGICAL AGE OF INDIVIDUAL A65-81862
- AGE EFFECT ON SHORT-TERM STORAGE MEMORY AND SERIAL ROPE LEARNING A65-82109
- AGING EFFECT ON PROTECTIVE POTENCY OF STANNOUS FLUORIDE SOLUTION - DENTISTRY SAM-TR-65-15 N65-26618
- CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES WASH-1059 N65-27468

AGRICULTURAL AIRCRAFT

SUPERIORITY OF AGRICULTURAL AIRCRAFT OVER GROUND
SPRAYING APPARATUS
JPRS-27161 N65-10337

AGRICULTURE

SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC
RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT,
NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED
BIOLOGICAL STUDIES
JPRS-29112 N65-20132

AIR

SA ALVEOLAR AIR
SA ATMOSPHERE
SA EXPIRED AIR
SA GAS

PROPHYLACTIC EFFECT OF AEROIONIZATION IN ACUTE
RADIATION SICKNESS A65-80800

EFFECT OF AERATION ON COEFFICIENT OF SPECTRAL
ABSORPTION IN SUSPENSION OF CHLORELLA SP.
A65-81938

DISTRIBUTION OF INSPIRED AIR DURING VENTILATION
WITHOUT RESPIRATORY MOVEMENTS A65-82169

SOLID CHEMICAL AIR GENERATOR FOR PRODUCING
BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE -
SPACE APPLICATION
AG-1 N65-10267

OXYGENATION OF BRAIN TISSUES DURING AIR AND
OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON
DIOXIDE
FTD-TT-64-634/1&2&4 N65-19139

AIR CONDITIONING

SA COOLING SYSTEM

AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO
ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD
CIRCULATION, AND BODY HEAT REGULATION
A65-82031

AIR CUSHION VEHICLE

OPERATOR TRAINING REQUIREMENTS FOR AIR CUSHION
VEHICLES
NAVTRADEVGEN-1557-1 N65-23085

AIR POLLUTION

PREDICTION AND VERIFICATION OF ROCKET PROPELLANT
TEST FIRINGS AS RELATED TO AIR POLLUTION
A65-80220

HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING N65-13635

INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD -
STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON
CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND
TRACING PHENOL CONTENT IN AIR
JPRS-29981 N65-23776

METHODS FOR RAPID AND ACCURATE DETERMINATION OF
AIR POLLUTION AND BIOLOGICAL EFFECT ON MAN
JPRS-30241 N65-24938

CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL
EFFECT OF SMALL CONCENTRATION ON MAN
N65-24939

FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION
OF AIR AND FREQUENCY OF AIR EXCHANGE IN
IRRADIATION CHAMBERS N65-24941

CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS
OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392

AIR PURIFICATION

SA CARBON DIOXIDE REMOVAL

RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND
THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND
PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR
ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/1&2 N65-27857

AIR SAMPLING

AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC
SAMPLERS AND THEIR RELATIVE EFFICIENCIES
A65-32795

AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY A65-82239

AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT
N65-23994

ATMOSPHERIC COLLECTION OF MICROORGANISMS USING
SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE
N65-24000

TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE
AND SANITATION STUDIES, WATER PURIFICATION,
INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND
AIR SAMPLING
JPRS-30993 N65-28294

AIR SPEED

HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF
HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER
VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE,
AIR VELOCITY, AND EXERCISE A65-81914

AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED
AND TIME-TO-GO INFORMATION EFFECT
T5-134/3111 N65-22870

AIR TRAFFIC CONTROL

OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN
PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL
SYSTEMS A65-10542

TRAINING ENTRY AGE OF AIR TRAFFIC CONTROL
SPECIALISTS AND INTERACTION WITH INTELLECTUAL AND
PERSONALITY CHARACTERISTICS A65-14235

EFFECT OF FATIGUE ON AIR TRAFFIC CONTROLLERS
A65-23930

TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY
CHARACTERISTICS OF AIR TRAFFIC CONTROL
SPECIALIST RELATED TO PASS-FAIL DATA
A65-80144

FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL
FACILITIES AND STRESS-RELATED SYMPTOMS
A65-80895

PSYCHOMETRIC VALIDATION OF PSYCHOLOGICAL SELECTION
BATTERY OF AIR TRAFFIC AND FIGHTER CONTROL
OFFICERS A65-81332

DRUG-INDUCED FATIGUE DECREMENT IN AIR TRAFFIC
CONTROL A65-81573

SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR
TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY
OCCUPATIONAL EXPERIENCE A65-82122

AIR TRANSPORTATION

SA CIVIL AVIATION
SA SUPERSONIC TRANSPORT

AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON
OF CHLOROPROMAZINE, PROCLORPERAZINE, AND
AMOBARBITAL FOR IN-FLIGHT MANAGEMENT
A65-80130

TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS
RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134

MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS
A65-80371

TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX
DIFFERENCES RELATED TO DETAILS EXPRESSED IN
AIRCRAFT DRAWINGS A65-80458

AIR TRANSPORTATION OF PATIENTS IN ROYAL AIR FORCE
WITH RESPIRATORY PARALYSIS A65-80953

MEDICAL SUPERVISION OF INJURED DURING TRANSPORT BY
HELICOPTER A65-81613

AIRBORNE EQUIPMENT

SUBJECT INDEX

LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE
PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION
INFORMATION A65-81728

AIR EVACUATION OF PATIENTS A65-81817

EFFICACY OF PHARMACOLOGICAL PREPARATION IN
COMBATING MOTION SICKNESS OF AIR TRANSPORT
PASSENGERS N65-13771

AIRBORNE EQUIPMENT

AERIAL TRANSMISSION OF INFECTION WITH REFERENCE TO
GRAVITATIONAL FALLOUT AND ATMOSPHERIC DILUTION
A65-19843

CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION
SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON
TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE
FLIGHT SIMULATORS A65-23199

FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15615

AIRBORNE INFECTION

AERIAL TRANSMISSION OF INFECTION WITH REFERENCE TO
GRAVITATIONAL FALLOUT AND ATMOSPHERIC DILUTION
A65-19843

INERT MONO- AND POLYDISPERSED AEROSOLS TO TEST
EFFICIENCY OF AIRBORNE BACTERIA SAMPLERS
A65-30140

AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC
SAMPLERS AND THEIR RELATIVE EFFICIENCIES
A65-32795

AIRCRAFT

SA A-4 AIRCRAFT
SA AGRICULTURAL AIRCRAFT
SA ATTACK AIRCRAFT
SA CONCORDE AIRCRAFT
SA F-104 AIRCRAFT
SA F-106 AIRCRAFT
SA FIGHTER AIRCRAFT
SA HELICOPTER
SA JET AIRCRAFT
SA MANNED AIRCRAFT
SA MILITARY AIRCRAFT
SA PILOTED AIRCRAFT
SA RECONNAISSANCE AIRCRAFT
SA RESEARCH AIRCRAFT
SA SAILPLANE
SA SUPERSONIC AIRCRAFT
SA T-33 AIRCRAFT
SA TURBOPROP AIRCRAFT
SA VTOL AIRCRAFT
SA X-15 AIRCRAFT
SA X-20 AIRCRAFT

RADIATION HAZARD FROM CONTAMINATED AIRCRAFT
EXPOSED TO RADIOACTIVE FALLOUT A65-80386

DISEASE TRANSMISSION BY AIRCRAFT
A65-81584

VESTIBULAR AND VISUAL PERCEPTUAL DISTURBANCE AND
DIFFICULTIES OF RECOVERY FROM AERODYNAMIC SPIN
A65-82127

PILOT PERFORMANCE TESTS TO ALIGN AIRCRAFT WITH
TARGET
AMRL-TR-64-87 N65-13998

HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7 N65-18409

AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT
N65-23994

AIRCRAFT ACCIDENT

ATTENTION, PERCEPTION, EMOTION AND JUDGEMENT IN
PILOT CAUSED AIRCRAFT ACCIDENTS
A65-16372

PATHOLOGISTS CONTRIBUTION TO AIRCRAFT ACCIDENT
INVESTIGATION SHOULD BE AIMED AT SAVING FUTURE

LIVES AS WELL AS ESTABLISHING CAUSE OF DEATH
A65-26000

RELATIONSHIP BETWEEN AIRCRAFT DAMAGE ESTIMATES AND
INJURY TO OCCUPANTS A65-30101

OPINIONS OF JAPANESE FLYING PERSONNEL CONCERNING
PREVENTION OF CIVIL AIRCRAFT ACCIDENTS
A65-80552

HUMAN FACTORS IN CAUSE-UNDETERMINED AIRCRAFT
ACCIDENTS AND MEASURES FOR IMPROVING FLIGHT SAFETY
A65-80726

FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND
MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS
A65-80730

HANDBOOK FOR PHYSICIANS FOR MANAGEMENT OF
DISASTERS INCLUDING AIRCRAFT ACCIDENTS
A65-81182

PROBLEM OF SLEEP DURING NIGHT FLYING- VIGILANCE,
ACCIDENTS AND DRUGS A65-81446

INTERNATIONAL LAW REGARDING AIRCRAFT ACCIDENTS
A65-81516

LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY
AND CIVIL AVIATION USEFUL TO PATHOLOGISTS
A65-81540

UNITED STATES GOVERNMENT LIABILITY IN MILITARY
AIRCRAFT ACCIDENTS A65-81541

SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT A65-81542

PROBLEMS OF IDENTIFICATION OF BODIES DURING
AUTOPSY OF AIRCRAFT ACCIDENTS A65-81586

AIRCRAFT ACCIDENTS, ACCIDENT INVESTIGATION, AND
EVALUATION OF INJURIES SUSTAINED
A65-81815

BACKACHE IN AIRPLANE AND HELICOPTER FLYING
PERSONNEL RESULTING FROM ACCIDENTS, INCREASING
AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY
A65-81818

PREVENTION AND CONTROL OF AIRCRAFT ACCIDENTS
CAUSED BY DAMAGE TO AIRCRAFT - SURVIVAL ASPECTS
A65-81869

JET TRANSPORT USE EFFECT ON AIRLINE LANDING
ACCIDENTS A65-82000

ELECTROCARDIOGRAM AND ISCHEMIC HEART DISEASE IN
AIRCRAFT PILOT SELECTION AND AIRCRAFT ACCIDENTS
A65-82351

AIRCRAFT ACCIDENT INVESTIGATION

MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT
ACCIDENTS A65-36003

TECHNIQUES OF IDENTIFICATION APPLIED TO 81
EXTREMELY FRAGMENTED AIRCRAFT FATALITIES
A65-81231

PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249

AIRPORT ACCIDENT EVALUATION OFFERS CHALLENGE TO
COMMUNITY PHYSICIAN A65-81298

LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING
INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN
EQUATORIAL AFRICA A65-81517

IDENTIFICATION PROBLEMS OF MASS CASUALTIES IN
COMMERCIAL AIRCRAFT ACCIDENT INVESTIGATION
A65-81518

PROBLEMS ARISING IN INVESTIGATIONS OF FOREIGN
AIRLINE DISASTERS A65-81519

MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR
AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY

SUBJECT INDEX

AIRCREW

- FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION
A65-81520
- GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT
ACCIDENT INVESTIGATION A65-81846
- SURVIVAL PROBLEMS FOLLOWING AIRCRAFT ACCIDENTS
N65-29758
- AIRCRAFT BREATHING APPARATUS**
DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING
SYSTEMS USING ELECTRICAL ANALOG A65-36822
- OXYGEN FOR CIVIL AIRCREW FOLLOWING LOSS OF CABIN
PRESSURIZATION
FPRC/MEMO-205 N65-12641
- AIRCRAFT CABIN**
SA CABIN ATMOSPHERE
SA PRESSURIZED CABIN
- CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM
DISCOMFORT TO PILOT DURING ACCELERATION,
VIBRATION AND/OR SHOCK A65-30013
- AIRCRAFT CARRIER**
NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS
ATTRIBUTED TO VISUAL ILLUSION INVOLVING
OVERESTIMATION OF ALTITUDE A65-30100
- THEORY AND SIMULATION OF PILOTED LONGITUDINAL
CONTROL IN CARRIER APPROACH
STI-TR-130-1 N65-26994
- AIRCRAFT CONFIGURATION**
SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY
AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION
NASA-TM-X-127 N65-28135
- AIRCRAFT CONSTRUCTION**
ANALYTIC APPROACH TO HUMAN ENGINEERING ANALYSIS
AND PREDICTION OF SYSTEM MAINTAINABILITY FOR
AIRCRAFT CONSTRUCTION
AMRL-TR-64-115 N65-17138
- AIRCRAFT CONTROL**
LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE
PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION
INFORMATION A65-81728
- AIRCRAFT DESIGN**
TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS
RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134
- EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING
AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT
IN DYNA-SOAR PROGRAM A65-80135
- DYNAMIC CRASH TESTS OF FIXED-WING AND ROTARY-WING
AIRCRAFT AS RELATED TO SEAT DESIGN
A65-81833
- AIRCRAFT DETECTION**
EQUATION ESTIMATING AURAL DETECTION DISTANCES
ASSOCIATED WITH GIVEN AERIAL VEHICLE NOISE LEVEL
AIAA PAPER 65-329 A65-32323
- DEVELOPMENT OF PAINT SCHEME FOR INCREASING
AIRCRAFT DETECTABILITY AND VISIBILITY
A65-81124
- AIRCRAFT FUEL**
IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN A65-30138
- AIRCRAFT GUIDANCE**
PREDICTIVE INFORMATION INSTRUMENTATION AS AID TO
JET AIRCRAFT TAKEOFFS A65-15434
- PILOT PERFORMANCE USING VISUAL DISPLAY FOR GUIDING
HIGH SPEED AIRCRAFT IN CLOSE PROXIMITY TO
TERRAIN
NASA-TN-D-1827 N65-11043
- AIRCRAFT HAZARD**
BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO
45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS
AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK
ROLE A65-24075
- AIRCRAFT INSTRUMENTATION**
PILOT EYE FIXATIONS WHILE FLYING MANEUVERS WITH
BOTH VERTICAL MOVING TAPE INSTRUMENTS AND ROUND
DIAL INSTRUMENT A65-30103
- NEW FORMS OF INSTRUMENTATION AND PRESENTATION OF
INFORMATION AIRCRAFT OPERATOR PERFORMANCE
A65-81213
- PILOT COCKPIT DISPLAY DESIGN AND VIEWING SYSTEM
AGARD-491 N65-27730
- AIRCRAFT LANDING**
PHYSIOLOGICAL REACTIONS TO SHOCK OVERLOADS AT HIGH
LANDING SPEEDS N65-13668
- NEUROPSYCHIC TENSIONS IN PILOTS DURING AIRCRAFT
LANDINGS N65-13690
- DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946
- AIRCRAFT NOISE**
NOISE MEASUREMENTS ON SEVEN TYPES OF SPORTS
AIRCRAFT AND NOISE PROPHYLAXIS A65-81087
- REDUCING ANNOYANCE FROM AIRCRAFT NOISE
A65-81212
- EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL
MEASURES N65-13778
- FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT
NOISE - MASKING OF SPEECH AND VARIABILITY OF
SUBJECTIVE JUDGMENTS
FAA-ADS-42 N65-33435
- AIRCRAFT RELIABILITY**
SA COMPONENT RELIABILITY
- MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF
AIRCRAFT AND SPACECRAFT SYSTEMS
A65-14364
- AIRCRAFT SAFETY**
ATMOSPHERIC OZONE CONCENTRATION STRESSING
SAFEGUARDS NECESSARY FOR PROTECTION OF PASSENGERS
AND CREW OF SUPERSONIC TRANSPORT
A65-23773
- PILOTS ABILITY TO OPERATE A4D ELF FLASH
BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS
OF SAFETY A65-26170
- AIRCRAFT STRUCTURE**
APPLICATIONS OF FISH MORPHOLOGY TO AIRCRAFT AND
SHIP DESIGN
JPRS-28910 N65-17492
- AIRCREW**
COMMON KNOWLEDGE CONCEPT PERMITTING COCKPIT CREW
MEMBERS SAME KNOWLEDGE LEVEL REGARDING AIRCRAFT
SYSTEMS AND NORMAL/ABNORMAL SYSTEMS OPERATION
A65-22175
- FLIGHT AND PHYSICAL TRAINING FOR AIRCREWS
A65-80892
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
ALTERATIONS DURING OVERSEAS FLIGHTS
A65-81296
- TRAINING OF BRITISH AIRCREWS FOR JUNGLE SURVIVAL
A65-81414
- USE OF ANTHROPOMETRIC DATA IN AIR FORCE PROGRAM
A65-82010
- OXYGEN FOR CIVIL AIRCREW FOLLOWING LOSS OF CABIN
PRESSURIZATION
FPRC/MEMO-205 N65-12641
- EXCRETION OF STEROID HORMONES WITH URINE DURING

AIRPORT

SUBJECT INDEX

- LONG NIGHT FLIGHTS BY AIRCRAFT CREWS
N65-13676
- PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS
OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING
N65-13717
- OPERATIONAL TEST AND EVALUATION OF HGU-15/P
FLYING HELMET FOR AIRCREW
TAC-TR-63-31/H/
N65-27637
- OBSERVATION AND CATEGORIZING AND RATING OF COPING
DEVICES FOR USE IN AIRCREW SELECTION
AD-617745
N65-30098
- INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS
AMRL-TR-65-18
N65-30156
- COMPARISON OF SELF-STUDY TECHNIQUE WITH
CONVENTIONAL CLASSROOM MODELS AS MEANS OF
REFRESHER TRAINING OF AIRCREWS UNDER OPERATIONAL
CONDITIONS
AMRL-TR-65-83
N65-30298
- AIRPORT
HANDBOOK OF AVIATION STATISTICS
A65-80532
- AIRPORT ACCIDENT EVALUATION OFFERS CHALLENGE TO
COMMUNITY PHYSICIAN
A65-81298
- RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS
MEASURED FOR EVALUATING WORKING CONDITIONS OF
AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/1&4
N65-32289
- AIRPORT LIGHT
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94
N65-10648
- ALANINE
PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR
CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY
METHYL DOPA
A65-82191
- ALASKA
MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA
AND OTHER POLAR REGIONS
AAL-TDR-64-28
N65-19970
- ALBUMIN
RADIOPROTECTIVE COMPOUNDS EFFECT ON PERSISTENT
AFTERGLOW OF U V-IRRADIATED SERUM ALBUMIN
SOLUTIONS
A65-30481
- EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON
PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF
SERUM ALBUMIN
N65-31040
- BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC
MOUTH DISEASES
FTD-TT-65-530/1&4
N65-33755
- ALCOHOL
SA CHOLESTEROL
SA ETHYL ALCOHOL
SA POLYVINYL ALCOHOL
- DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL
A65-80896
- RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL
ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM
NASA-CR-63423
N65-26409
- ALDOSTERONE
DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION
INDUCED BY HEAT STRESS AS INDICATION OF
ACCLIMATIZATION AND ALDOSTERONE ACTIVITY
A65-80958
- ALGAE
SA BLUE-GREEN ALGAE
SA CHLORELLA
- MODIFIED PHYCOERYTHRIN SEPARATION FROM
PORPHYRIDIUM CRUENTUM TREATED WITH
P-CHLOROMERCURIBENZOATE AND INTERACTION WITH
GLUTATHIONE
A65-13547
- BACTERIA-FREE CULTURES OF ANABAENA FLOS-AQUAE
A-37 OBTAINED BY TECHNIQUE OF POSITIVE OPERATOR
BIAS
A65-31653
- STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA
A65-80015
- ALGAE AND MAN - ECOLOGICAL, MEDICAL, BIOLOGICAL,
AND INDUSTRIAL ASPECTS
A65-80374
- NUTRITIONAL REQUIREMENTS OF ALGAE - ELEMENTS FOR
PHOTOSYNTHESIS AND NORMAL METABOLISM
A65-80375
- CULTURING OF ALGAE - PROBLEMS OF GROWTH AND
CULTURE TECHNIQUE
A65-80376
- LIMITING FACTORS IN PHOTOSYNTHETIC YIELD IN ALGAE
GROWN UNDER NATURAL ECOLOGICAL CONDITIONS
A65-80377
- PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE
A65-80600
- INTERRELATIONSHIPS OF VARIOUS SPECIES OF
PROTOCOCCAL ALGAE AND THEIR BACTERICIDAL EFFECT IN
JOINT CULTIVATION
A65-80689
- GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754
- RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED
LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF
ALGAE AND HIGHER PLANTS
A65-80846
- BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES,
ALGAE, AND YEAST
A65-80878
- ALGAL CULTURE TECHNIQUE AND PHYTOPLANKTON ECOLOGY
A65-81163
- CULTIVATION AND GROWTH OF GREEN PLANKTONIC ALGAE
ON SEWAGE
A65-81386
- CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE
A65-81872
- UTILIZATION OF GLUTAMINE BY VARIOUS ALGAE
A65-81958
- NEW TECHNIQUE FOR MASS ASSAYS OF PHYSIOLOGICAL
CHARACTERISTICS OF UNICELLULAR ALGAE
A65-82095
- EFFECT OF DIFFERENT NITROGEN SOURCES ON AMINO ACID
AMOUNT IN GREEN ALGA, SCENEDESMUS QUADRICAUDA
A65-82187
- EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE
A65-82248
- COMBINED MONOCHROMATIC LIGHT WAVELENGTH EFFECTS ON
PHOTOSYNTHESIS IN ALGAE
AFOSR-64-1650
N65-11325
- PRESSURE AS FACTOR IN ALGAE GROWTH - OXYGEN
PRODUCED BY PHOTOSYNTHESIS OF ALGAE
N65-11717
- HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
ALGAE
SERL-64-8
N65-12782
- ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE
ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND
ALGAE SYSTEMS
P-3009
N65-16517
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED
ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554
N65-16812

SUBJECT INDEX

ALTITUDE ACCLIMATIZATION

- BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA
N65-16814
- PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709 N65-16815
- GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63 N65-16880
- ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT
N65-18594
- RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655
- ALGAE PHOSPHORUS METABOLISM IN LIPID FRACTIONS
UNDER NORMAL AND HETEROTROPHIC CONDITIONS
N65-21074
- PHOTOSYNTHETIC REACTIONS DURING REGREENING OF
ALGA CHLAMYDOMONAS REINHARDI
AFCL-64-342 N65-24455
- RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND
THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND
PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR
ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/162 N65-27857
- MASS CULTIVATION OF BACTERIA - ASTEROMONAS
GRACILIS ARTARI
JPRS-30995 N65-28134
- GROWTH OF ALGAE IN SEWAGE WATER - SOIL BACTERIA
GROWTH STIMULATION BY BLUE-GREEN ALGAE
FTD-TT-65-66/162 N65-31421
- ALGAE GROWTH IN CITY SEWAGE WATER - EXPERIMENTS
N65-31423
- ALGORITHM**
ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS
WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS
JPRS-30214 N65-24351
- PATTERN RECOGNITION PROBLEMS - CLASSIFICATION,
CYBERNETIC INTERPRETATION OF RECOGNITION
PROCESS, ALGORITHMS, AND PROBABILITY PROCEDURES,
AND THEORETICAL CONSIDERATION OF SOLUTION
JPRS-31440 N65-30682
- ALKALI METAL**
SA POTASSIUM
SA SODIUM
- LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477
- CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,
AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-D-4/65 N65-28883
- ALKALOID**
SA ATROPINE
SA CAFFEINE
SA STRYCHNINE
- CHARACTERISTICS OF ALKALOIDS ISOLATED FROM VINCA
ROSEA LINN
JPRS-28448 N65-15352
- ALKALOSIS**
RESPIRATION AND CEREBROSPINAL FLUID PH IN
METABOLIC ACIDOSIS AND ALKALOSIS IN MAN
A65-81905
- ALKANE**
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES
FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION
YEARS OLD
A65-23841
- ALL-WEATHER AIR NAVIGATION**
BLIND FLYING REQUIREMENTS INDICATE NEED FOR
IMPROVED INSTRUMENT DISPLAYS
A65-16441
- HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING
AD-612726 N65-26118
- ALLERGY**
NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT
PERSONNEL
A65-80873
- VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY
A65-81089
- HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE
STRUCTURES, AND AUTOALLERGY IN PATHOLOGY
N65-17790
- ALPHA PARTICLE**
TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY
NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865
- BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA
PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585
- LOCAL DOSE FROM PROTON AND ALPHA PARTICLE ENDERS
BEHIND COMPLEX SHIELDING
N65-34631
- RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND
ALPHA PARTICLES - RADIATION DOSE CALCULATIONS
N65-34632
- ALPHA RADIATION**
MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION
A65-21945
- MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL
CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND
CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY
TRANSFER
A65-80162
- ALTITUDE**
SA HIGH ALTITUDE
SA LOW ALTITUDE
- CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE
A65-80016
- PHYSICAL PERFORMANCE IN VARIOUS ATHLETIC
EVENTS AS AFFECTED BY ALTITUDE /7000 FT./
A65-80238
- COMPARISON OF CHRONIC HYPOXIA OF ALTITUDE AND THAT
PRODUCED BY RIGHT TO LEFT CIRCULATORY SHUNTS
A65-80359
- ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO
ALTITUDE FACTORS
N65-13751
- ACCURACY OF ALTITUDE AND GROUND SPEED
DETERMINATIONS USING CONTACT ANALOG SIMULATOR
DISPLAY SYSTEM
D228-421-015 N65-30934
- ALTITUDE ACCLIMATIZATION**
ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT
/STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT
/ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING
HIGH ALTITUDE ACCLIMATIZATION
A65-80225
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE
A65-80670
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN
A65-80671
- BLOOD CHANGES, HEART FUNCTION AND PULMONARY
RESPONSE TO ALTITUDE IN ACCLIMATIZED MEN
A65-80974
- CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
CHRONIC HYPOXIC STATE
A65-80995
- HUMAN RESTING PULMONARY DIFFUSING CAPACITY FOR

- CARBON MONOXIDE AND OXYGEN AT HIGH ALTITUDE
A65-81148
- ALTITUDE ACCLIMATIZATION EFFECTS SKELETAL BONE AND BONE MARROW IN DOGS
A65-81475
- SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH SEXES LIVING AT HIGH ALTITUDE
A65-81964
- CHANGES IN ADIPOSE TISSUE IN RATS ACCLIMATED TO HIGH ALTITUDE
A65-82015
- PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE OF AIR PRESSURE
FTD-TT-65-258/162 N65-25341
- BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA IN DOGS SUBJECTED TO HEMORRHAGING
JPRS-31781 N65-35017
- ALTITUDE SICKNESS**
APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS
A65-80266
- RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN SICKNESS
A65-80298
- CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM
A65-81398
- HIGH-ALTITUDE PULMONARY EDEMA IN MOUNTAIN INHABITANTS - CLINICAL STUDY
A65-81591
- RENAL FUNCTION IN HIGH-ALTITUDE NATIVES AND IN NATIVES WITH CHRONIC MOUNTAIN SICKNESS
A65-81918
- ALTITUDE SIMULATION**
DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE
A65-80116
- TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA DURING HIGH ALTITUDE SIMULATION
A65-80443
- HYPOXIC EFFECT ON HUMAN ELECTROENCEPHALOGRAPH AT SIMULATED HIGH ALTITUDE
A65-80550
- CHANGES IN PULMONARY VOLUME AND VENTILATION IN HEALTHY AND SICK INDIVIDUALS DURING HYPOXIA AT SIMULATED ALTITUDE
A65-80799
- INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE HYPOXIA
A65-80835
- DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT SIMULATED ALTITUDE
A65-80928
- HYPOXIA DURING DECOMPRESSION AND EFFECT ON CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- INFORMATION VALUE OF VARIOUS PATTERNS OF LANDING STRIP LIGHTS
A65-81111
- THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY HYPOXIA AND REBOUND
A65-81171
- BLOCKAGE IN RATS OF EPINEPHRINE-INDUCED HYPERGLYCEMIA DURING EXPOSURE TO SIMULATED ALTITUDES
A65-81474
- PREPYRIFORM ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN RAT DURING EXPOSURE TO HIGH ALTITUDE
A65-81495
- QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION
A65-81535
- SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS
A65-81609
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT FLASH DURING HIGH ALTITUDE SIMULATION IN LOW PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS
A65-81669
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH CONCENTRATIONS OF OXYGEN
A65-81730
- PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE, AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED BY ANOXIA IN DECOMPRESSION CHAMBER
A65-81841
- OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN BREATHING AT NATURAL HIGH ALTITUDES AND DURING SIMULATED ALTITUDE
A65-81873
- EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE OF ALBINO GUINEA PIGS
A65-81917
- METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED SUITS EXERCISING IN HIGH ALTITUDE CHAMBER
A65-81965
- PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL AND OBSTRUCTIVE LUNG DISEASED PATIENTS
A65-81973
- EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON MYOCARDIAL OXYGEN TENSION IN DOGS
A65-82186
- PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO INCREASED OXYGEN TENSION IN SPACE CABIN AT SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT SIMULATED HIGH ALTITUDE
NASA-CR-60338 N65-15372
- ALTITUDE TOLERANCE**
BRAIN MATURATION CORRELATION WITH ALTITUDE ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK SEIZURES IN RATS
A65-16782
- ALUMINUM**
SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT AND X-RAY IRRADIATION
A65-81232
- CALCULATION OF PROTON PENETRATION AND DOSE RATES FOR TISSUE, ALUMINUM, AND OTHER SHIELDING MATERIALS
N65-34630
- ALVEOLAR AIR**
SA EXPIRED AIR
- CARBON DIOXIDE EXCRETION DURING CONTROLLED ALVEOLAR HYPERVENTILATION TO SHOW CORRELATION OF ELECTROENCEPHALOGRAPHIC AND ELECTROMYOGRAPHIC DISTURBANCES TO IN FLIGHT DISTURBANCES
A65-11129
- PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION
A65-80228
- THEORETICAL AND ANALOGICAL STUDY OF ALVEOLAR GAS COMPOSITION IN PERIODIC REGIME AS APPLIED TO PROBLEM OF CHEMICAL REGULATION OF RESPIRATION
A65-81030
- AMIDE**
SA ACETAZOLAMIDE
- INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
A65-81901
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E N65-32144

AMINE

SA AMPHETAMINE
SA CATECHOLAMINE
SA CYSTEAMINE
SA HISTAMINE
SA TRIPELENNAMINE

RADIATION PROTECTION EFFECTS OF AET AND 5- MOT AS
FUNCTION OF MARROW CELLS IN MICE

A65-26896

CIRCADIAN RHYTHM OF SELF-SELECTED REST AND
ACTIVITY IN CANARY AND EFFECT OF MONOAMINE OXIDASE
INHIBITORS AND ENFORCED DARK PERIODS

A65-82044

UPTAKE OF CATECHOLAMINES BY HEART OF RABBITS
TREATED WITH SEGONTIN, A NEW AMINE DRUG

A65-82238

TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES
IN INDUSTRY
JPRS-29913

N65-23145

EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN
AMINES AND AMINO ACIDS
AMRL-TR-64-113

N65-24417

AMINO ACID

SA ALANINE
SA CREATININE
SA PHENYLALANINE
SA PROTEIN
SA TRYPTOPHAN

LIFE ORIGIN THEORIES EMPHASIZING AMINO ACIDS
COMMON TO PROTEIN AND MODULATION OF PROTEIN INTO
PRIMITIVE CELLS

A65-16244

ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED
ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID
INCORPORATION

A65-18029

RIBONUCLEASE DIGEST OF AMINOACYL-S RNA IN
INCOMPLETE PEPTIDE CHAIN LIBERATION BY AMINO ACID-
NUCLEOTIDE FRAGMENTS ATTACHMENT TO C-TERMINAL

A65-18042

CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES

A65-34670

BRAIN DISORDERS AND LEVELS OF AMINO
ACIDS OF RAT DURING ANOXIA

A65-80230

BIOSYNTHESIS OF AMINO ACIDS IN GREEN ALGA,
CHLORELLA VULGARIS

A65-80346

AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
AND ABIOTIC ASPECTS

A65-80471

AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
CHAMBER

A65-80474

THERMAL SYNTHESIS OF AMINO ACIDS FROM
HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE

A65-80475

ABIOTIC SYNTHESIS OF SOME NUCLEIC ACID
CONSTITUENTS

A65-80477

THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH
POLYPHOSPHORIC ACID

A65-80481

FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS
DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA

A65-80597

MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS

A65-80657

EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS

A65-80722

PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS
SOLUTION IRRADIATED WITH ULTRAVIOLET

A65-80762

VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY

A65-81089

RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS

A65-81300

AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT
BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND
ELEVATED OXYGEN TENSION

A65-81362

UTILIZATION OF GLUTAMINE BY VARIOUS ALGAE

A65-81958

EFFECT OF DIFFERENT NITROGEN SOURCES ON AMINO ACID
AMOUNT IN GREEN ALGA, SCENEDESMUS QUADRICAUDA

A65-82187

SYNTHESIS OF AMINO ACIDS AND POLYPEPTIDES
NASA-CR-53134

N65-17054

CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS

N65-18596

SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION

NASA-CR-56268

N65-22180

X-RAY AND AMINO ACID ANALOG EFFECT ON DNA
SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS

N65-23459

EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN
AMINES AND AMINO ACIDS

AMRL-TR-64-113

N65-24417

PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
LYSOZYME, AND CYTOCHROME C SPECTRA

NASA-CR-58662

N65-29650

AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS
WITH ACUTE RADIATION SICKNESS

FTD-TT-65-383/164

N65-33411

AMINOPHYLLINE

SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW

A65-80674

AMMONIA

HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO
CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY
TESTED WITH PROTEIN

A65-80177

ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY
CHLORELLA PYRENOIDOSA PRINGSHEIM 82T

A65-80599

AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT
BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND
ELEVATED OXYGEN TENSION

A65-81362

AMMONIUM CHLORIDE

SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW

A65-80674

AMMONIUM COMPOUND

SA HEXAMETHONIUM

QUATERNARY AMMONIUM COMPOUNDS FOR SANITIZING AND
DEODORIZING RUBBERIZED FLIGHT CLOTHING AND USE
OF NONIONIC DETERGENTS FOR RENDERING SYNTHETIC
MATERIALS ANTISTATIC

NAEC-AML-2050

N65-18031

AMMONOLYSIS

DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS
AND AMMONOLYSIS

N65-23936

AMOBARBITAL

AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON OF CHLOROPROMAZINE, PROCLORPERAZINE, AND AMOBARBITAL FOR IN-FLIGHT MANAGEMENT

A65-80130

AMPHETAMINE

SA METHAMPHETAMINE

PREMISSION CREW CONDITIONING AND FLIGHT SIMULATION, DETERMINING EFFECT OF SECOBARBITAL TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING MISSION

A65-32636

DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND SECOBARBITAL ON SELF-EVALUATION

A65-80004

COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL, AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND INTELLECTUAL PERFORMANCE

A65-80159

EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION AND FATIGUE

A65-80160

EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS

A65-80161

METHAMPHETAMINE AND PENTOBARBITAL ON RUNNING MEMORY SPAN FOR DIGITS

A65-81211

MUSCULAR PERFORMANCE IN MALE ATHLETE UNDER INFLUENCE OF TWO PSYCHOSTIMULANT DRUGS

A65-81228

AMPHETAMINE EFFECTS ON ANXIETY AND MENTAL AND PSYCHOMOTOR PERFORMANCE

A65-81481

PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY SECOBARBITAL AND D-AMPHETAMINE

A65-81734

AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE

A65-81754

EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF RABBITS TO ROTATION-ACCELERATORY STIMULI

A65-82194

AMPHETAMINE AND PYROVALERONE HYDROCHLORIDE EFFECT ON HUMAN PERFORMANCE

A65-82198

SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING PERFORMANCE DURING SIMULATED TACTICAL AIR MISSION

N65-18379

AMPLIFIER

SA LASER

TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND COMPACT SILICON STABILITRON CONVERTERS

JPRS-30557 N65-25541

AMPLITUDE MODULATION

HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO FREQUENCY FIELDS

GE/EE/64-11 N65-16662

ANALOG COMPUTER

SA DIGITAL COMPUTER

TIME DERIVATIVE OF PRESSURE RELATED TO INSTANTANEOUS AORTIC BLOOD FLOW IN DOG

A65-82147

ANALOG COMPUTER AS AREA INTEGRATOR FOR ELECTROCARDIOGRAM

REPT.-1 N65-10218

ANALOG COMPUTER MECHANIZATION OF HODGKIN- HUXLEY EQUATIONS OF ACTION POTENTIALS FOR GIANT SQUID AXONS

AD-608156 N65-11667

PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT, TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE, AND PROGRAMMING ON ANALOG COMPUTER

AD-603477 N65-14282

ANALOG SIMULATION

ANALOG AND DIGITAL COMPUTER SIMULATION OF CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS

A65-81357

PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL VISUAL DISPLAY

D228-421-019 N65-19440

ELECTRONIC ANALOG ARTIFICIAL EAR MODEL SIMULATION FOR COMPLEX SOUND CLASSIFICATION AND THEORY OF HEARING - ANALOG COCHLEA

NOLTR-64-191 N65-22496

SIMULATION, MODELS, AND GAMES AS ANALOGIES MEASUREMENT CRITERIA IN MAN-MACHINE SYSTEM SIMULATION

NASA-CR-257 N65-27397

ADVANCED CONCEPTS IN BIOTECHNOLOGY, HUMAN ANALOGS AND BIONICS - HUMAN ANALOG OF VISUAL SENSOR PROVIDED INFORMATION ON MECHANISMS AND PROCESSES CARRIED OUT IN HUMAN EYE

NASA-CR-64177 N65-31050

ANALOG-TO-DIGITAL CONVERTER

DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT

N65-28759

ANALYSIS

S CHEMICAL ANALYSIS
S DATA ANALYSIS
S DIMENSIONAL ANALYSIS
S FACTOR ANALYSIS
S FUNCTIONAL ANALYSIS
S MATRIX ANALYSIS
S MICROANALYSIS
S REGRESSION ANALYSIS
S SPECTRAL ANALYSIS
S STATISTICAL ANALYSIS
S SYSTEMS ANALYSIS
S VECTOR ANALYSIS

ANALYTIC FUNCTION

ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED PERFORMANCE

NASA-CR-63837 N65-28853

ANALYTICAL CHEMISTRY

ANALYTIC CHEMISTRY AND DETERMINATION OF STEROLS IN SIX SPECIES OF CHLORELLA

N65-15804

ANATOMY

SA BRAIN
SA GLAND
SA HEART
SA INTESTINE
SA JOINT /BIOL/
SA LIVER
SA SKELETON
SA SPLEEN
SA STOMACH

TIME ESTIMATION - PHYSIOLOGICAL AND ANATOMICAL BASES

A65-80053

MECHANISM AND PROBLEMS OF BINAURAL INTERACTION - ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY

TRACOR-64-199-U N65-15031

ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF CHILDREN BORN AND RAISED IN HIGH ALTITUDE ENVIRONMENT

N65-17759

ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF SQUIRREL MONKEY INNER EAR

NASA-CR-57931 N65-21338

THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION

- REPT.-13 N65-27793
- ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573 N65-36594
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- ANEMIA**
PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313
- ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM
AND ON EXCESS LACTATE IN DOG A65-81747
- CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY
VERTICAL POSITION OR GYRATION - BLOOD
CIRCULATION
NASA-TT-F-9715 N65-36759
- ANEMOMETER**
HOT-WIRE MICROANEMOMETER OF AIR MOVEMENTS
INSIDE CLOTHING A65-81921
- ANESTHESIOLOGY**
ELECTROENCEPHALOGRAPH AS TOOL FOR DETERMINING WHICH
CURRENT PRODUCES EFFECTIVE ANESTHESIA
A65-10737
- HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM
FOOT SHOCKS A65-36099
- METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE
A65-81149
- ELECTROANESTHESIA IN LARGE ANIMALS
N65-16630
- ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
JPRS-29435 N65-20835
- ANESTHETICS**
OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD
FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG
BREATHING 100 PERCENT OXYGEN A65-80072
- CHLORALOSE AND PENTOBARBITAL EFFECT ON HEART RATE
RESPONSE OF DOG TO CARBON DIOXIDE
A65-80076
- PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST
ANOXIA IN MICE A65-81209
- INVESTIGATIONS INTO PROTECTIVE ACTION OF
ANESTHETICS AGAINST ANOXIA IN MICE
A65-81210
- CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY
VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY
CURARE AND RESERPINE A65-82148
- CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,
RESPIRATION, CIRCULATION, AND APNEA
JPRS-30577 N65-25459
- ANGIOSPERM**
INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED
LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF
ALGAE AND HIGHER PLANTS A65-80846
- EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL
COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA
A65-80939
- RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS A65-81300
- EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE
TREE /EVOKYMUS EUROPAEA/ CARRIED ON BOARD OF
SPACECRAFT VOSTOK-5 A65-81999
- DEAMINATION OF ADENINE IN DNA MOLECULE AFTER
HYDRATION OF PEA SEEDS EXPOSED TO FAST-NEUTRON
IRRADIATION A65-82180
- ANGULAR ACCELERATION**
CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR
VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER,
NOTING OTOLITH MODULATION OF SENSORY INPUT FROM
SEMICIRCULAR CANALS A65-24081
- EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON
VESTIBULAR APPARATUS AND VISION
A65-81200
- QUANTIFICATION OF HUMAN NYSTAGMIC RESPONSE TO
ANGULAR ACCELERATION - PREDICTION FORMULAE AND
NOMOGRAPH A65-81527
- REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION
DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT
A65-81536
- THEORETICAL ASPECTS OF ROLE OF ANGULAR
ACCELERATION IN VESTIBULAR STIMULATION
A65-82304
- EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION
RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED
BY ANGULAR ACCELERATION
NASA-CR-59565 N65-11407
- EFFECT OF INTENSIVE ANGULAR ACCELERATIONS ON
VESTIBULAR REACTIONS OF AIRCRAFT PILOT
N65-13734
- MECHANICALLY DRIVEN ANGULAR ACCELERATION DEVICE
USED AS VESTIBULAR STIMULATOR
AM-64-15 N65-16216
- PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS
ACCELERATIONS N65-26921
- ADAPTATION TO VESTIBULAR DISORIENTATION -
NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY
ANGULAR ACCELERATION
AM-65-24 N65-34303
- ANGULAR CORRELATION**
EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION
AND FEASIBILITY OF USING DIRECT PERCEPTUAL
ESTIMATION TO DETERMINE ANGLES OF DRIFT
TR-65-8 N65-34684
- ANGULAR MOMENTUM**
SA QUANTUM NUMBER
- MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM
TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE
ATAA PAPER 64-393 A65-14698
- EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT
USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR
ANGULAR MOMENTUM TRANSFER A65-35637
- ANGULAR MOTION**
TRACTIONLESS EXPERIMENTAL METHOD PROVIDING
WEIGHTLESSNESS SIMULATION ALTHOUGH LIMITED TO
ROTATION ABOUT SINGLE AXIS A65-30014
- ANGULAR VELOCITY**
EFFECT OF ANGULAR ROTATION VELOCITIES ON STATE OF
PHYSIOLOGICAL SYSTEMS AND SEVERAL VISUAL
FUNCTIONS N65-13766
- ANIMAL PERFORMANCE**
VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN
PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION
METHOD, EXAMINING EFFECT ON BLOOD PRESSURE
A65-26747
- ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS,
INVESTIGATING RODENTS AND SMALL PRIMATES IN
CENTRIFUGES A65-30049
- ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS

ANIMAL STUDY

SUBJECT INDEX

- UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC STUDIES
JPRS-29757 N65-22113
- CYBERNETICS, ANIMAL BEHAVIOR, HUMAN THINKING, AND MACHINE DEVELOPMENT
JPRS-31124 N65-28732
- BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE
N65-28771
- CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE PROGRAM
N65-28772
- PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND OTHER PRIMATES AND USE OF EEG AS FATIGUE INDICATOR DETERMINED FROM PARTIAL SPACE CABIN SIMULATION
N65-28773
- ANIMAL STUDY
SA ARTHROPOD
SA BIRD
SA FISH
SA FROG
SA MAMMAL
SA ORGANISM
SA ZOOLOGY
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5, 1964
A65-10722
- BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS UNDER REAL AND SIMULATED FLIGHT CONDITIONS
A65-10725
- HYPOXIA EFFECT ON SUCCESS OF SECOND HOMOLOGOUS GRAFT OF BONE MARROW IN PREVIOUSLY IRRADIATED AND GRAFTED MICE
A65-12885
- HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS
A65-14383
- FATAL PHYSIOLOGICAL EFFECTS IN MICE DURING LONG EXPOSURE TO HIGHLY OXYGENATED ENVIRONMENT
A65-14384
- PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND OTHER SEVERE OCULAR DAMAGE
A65-14385
- COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS
A65-14386
- INTERNATIONAL RESEARCH ON ANIMAL ROLE AS PRECURSOR FOR MAN IN SPACE
A65-14809
- RESPONSES TO ACOUSTIC STIMULI FROM FREQUENCY-SELECTIVE SINGLE UNITS IN EIGHTH NERVE OF GREEN FROG
A65-15773
- LEARNING SET PERFORMANCE OF SQUIRREL MONKEYS AFTER RAPID DECOMPRESSION TO VACUUM, NOTING PHYSICAL EFFECT
A65-16554
- GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE STUDIED IN MINIATURE SWINE
A65-16556
- MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE FROM SACRIFICED MALE RAT FEMURS IN VITRO
A65-16559
- LONG TERM CENTRIFUGAL ACCELERATION INDUCED SICKNESS IN LEGHORN CHICKEN, NOTING REVERSIBILITY
A65-16561
- POST MORTEM LUNG TISSUE CHANGES IN MICE FROM OXYGEN TOXICITY AT ATMOSPHERIC PRESSURE
A65-16563
- SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE CONCENTRATION IN BRAIN TISSUE
A65-17482
- CRITICAL ACCELERATION ENDURANCE INCREASE OF IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374
- CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON VARIOUS ANIMALS
A65-18431
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION
A65-18433
- DISCREPANCY BETWEEN HIGH SPEEDS ATTAINED BY DOLPHINS AND THEIR MUSCLE POWER
A65-18443
- RESPIRATORY GASEOUS EXCHANGE UNDER HIGH OXYGEN CONCENTRATION IN GUINEA PIGS, NOTING BODY WEIGHT AND OXYGEN CONSUMPTION
A65-18842
- ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF POCKET MICE
A65-19519
- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION IN ACTIVE AND HIBERNATING, IRRADIATED AND NONIRRADIATED GROUND SQUIRREL
A65-20020
- BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF MICROWAVE FIELD AND HEATING PATTERNS
A65-20934
- MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF WHITE RATS AND RABBITS
A65-20936
- PRECARDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION
A65-22329
- RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO PERIPHERAL CUTANEOUS UNMYELINATED FIBERS
A65-22352
- METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416
- SENSORY HAIR STRUCTURE LOCATED IN GRAVITY RECEPTORS IN UTRICLE AND SACCULE OF SQUIRREL MONKEY AND GUINEA PIG
A65-25239
- MECHANICAL VIBRATION EFFECT ON MITOSIS OF NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550
- EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC FIELD
A65-26302
- ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338
- TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS WITH REFERENCE TO MANNED SPACE FLIGHT
A65-26531
- SOMESTHETIC POTENTIAL MEASUREMENT OF RATS AND CATS ONBOARD ROCKETS EMPHASIZING SENSOR EMPLACEMENT, ANIMAL TRAINING AND RADIO TRANSMISSION
A65-26600
- RADIATION PROTECTION EFFECTS OF AET AND 5-MOT AS FUNCTION OF MARROW CELLS IN MICE
A65-26896
- CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064
- NASA AND USAF PROGRAMS IN SPACE BIOLOGY, INCLUDING BIOSATELLITES, TO STUDY ENVIRONMENTAL EFFECTS ON VARIOUS ANIMALS
A65-28616
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN SATURATION DECREASE DUE TO PULMONARY ARTERIAL-

- VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO FORWARD ACCELERATION A65-29057
- OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC, RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND THYROID RESPONSE VARIATIONS A65-29066
- ANIMAL TESTS FOR EFFECTS OF ACCELERATION, VIBRATION AND IONIZING RADIATION ON OXIDATION METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS IN HEMOPOIETIC TISSUES A65-29946
- WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR A65-29947
- RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY A65-30137
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT ON CATS A65-30589
- QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL AND LATERAL MAMILLARY NUCLEI AND RELATED STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF CAT BRAIN, NOTING ULTRASONIC LESIONS A65-30738
- VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS ON BONE MARROW CELL DIVISION OF MICE A65-32303
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- MEASURING OF P O₂ IN CEREBRAL CORTEX OF RATS WITH TECHNIQUES BASED ON OXYGEN ELECTRODE THEORY A65-32794
- SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR NUCLEUS OF ANESTHETIZED CATS A65-32938
- LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN DOG CEREBELLUM AND ASSOCIATED AREAS A65-33023
- DELAYED RADIATION EFFECTS ON MORTALITY RATE IN ABDOMEN-IRRADIATED RATS A65-33405
- CHANGES IN LIVER LIPID METABOLISM OF RATS SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY CENTRIFUGING OVER LONG TIME PERIODS A65-33527
- REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS WITH ANTIPURINOYL ANTIBODY WITH OR WITHOUT HEAT DENATURATION A65-33947
- MONOCULAR DISCRIMINATION BY TRAINED GOLDFISH OF DIFFERENT PATTERNS AND COLORS, SHOWING INTERHEMISPHERIC COLOR INFORMATION TRANSFER MORE EFFECTIVE THAN PATTERN A65-35588
- DIFFRACTION AND VISUAL ACUITY OF INSECTS A65-36091
- HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM FOOT SHOCKS A65-36099
- BIOLOGICAL RHYTHMS IN PLANTS, VERTEBRATES, AND INVERTEBRATES A65-80128
- METHOD OF CALCULATING TOTAL HEAT LOSS IN HOMIOOTHERMIC ORGANISM A65-80231
- APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS A65-80266
- FIBRINOLYSIS IN CARBON MONOXIDE POISONING
- IN ANIMALS A65-80288
- OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM A65-80355
- BIOLOGICAL EFFECTS OF MAGNETIC FIELDS A65-80409
- TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS A65-80545
- EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647
- ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL DOSES OF IONIZING RADIATION A65-80648
- RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE AND AMYTAL A65-80649
- ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND HISTAMINE A65-80651
- ENVIRONMENTAL CHAMBER FOR LONG-TERM STUDIES OF CHRONIC HYPOXIA IN SMALL ANIMALS A65-80683
- BIOLOGICAL RHYTHMS AND CYCLES IN ANIMAL ORGANISMS - A BIBLIOGRAPHY A65-80746
- NEUROPHYSIOLOGY OF HEAT EXPOSURE A65-80911
- BIOINSTRUMENTATION AND TELEMETRIC METHODS FOR MONITORING PHYSIOLOGICAL FUNCTIONS IN MAN AND ANIMALS A65-81048
- COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL ANIMALS AND IN MAN A65-81052
- INTERACTION OF LASER RADIATION WITH BODY TISSUES A65-81092
- APPARATUS FOR PRODUCTION OF GAS MIXTURES OF PRECISELY CONTROLLED COMPOSITION FOR INSPIRATION BY SMALL ANIMALS A65-81151
- PHYSIOLOGICAL TELEMETRY AND PROCESSING OF MEDICAL, ZOOLOGICAL AND BIOASTRONAUTICAL DATA A65-81314
- APPARATUS FOR LUMINANCE-THRESHOLD DETERMINATION IN ANIMALS A65-81418
- OXYGENATION OF TISSUE CELL A65-81512
- FACTORS INFLUENCING OXYGEN TOXICITY IN MAN AND ANIMAL A65-81528
- SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS A65-81609
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS AND MAN A65-81636
- OXYGEN PARTIAL PRESSURE MEASUREMENT IN AQUEOUS HUMOR AND LENS OF EYE OF ANIMAL - NEW TEST METHOD A65-81727
- METHOD FOR COMPUTER RECOGNITION OF INTRACELLULARLY RECORDED NEURONAL EVENTS A65-81755
- INTERNATIONAL CONGRESS ON AVIATION AND SPACE MEDICINE, HELD IN MADRID, OCTOBER 1962 A65-81807
- LUNAR RHYTHM ANALOGIES IN VARIOUS BIOLOGICAL PROCESSES IN MAN AND INVERTEBRATES A65-81890
- ELECTROMYOGRAPHIC ELECTRODE DESIGNED FOR

IDENTIFICATION OF RECORDING SITES

A65-81922

INTERSTELLAR MATTER DEPOSITED ON EARTH SURFACE
AS RELATED TO PLANT AND ANIMAL LIFE

A65-81967

USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT
OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL
SPECIMENS

A65-81970

INFORMATION THEORY AND FUNDAMENTAL CONSTRAINTS TO
SENSORY DISCRIMINATION OF ANIMALS BY TWO KINDS OF
NEURAL NOISE

A65-82062

SPACE CABIN ATMOSPHERE TOXICOLOGY - A NEW RESEARCH
FACILITY

A65-82091

BALANCE AND HEARING INTERPRETED IN VIEW OF ANATOMY
OF LABYRINTH

A65-82138

EFFECT OF SUBCUTANEOUS INJECTIONS OF MAGNESIUM
SULFATE SOLUTION ON DEGREE OF STRONTIUM 90
ABSORPTION IN EXPERIMENTAL ANIMALS

A65-82181

ANIMAL STUDIES ON PURIFICATION PROCEDURES TO
ELIMINATE BACTERIAL CONTAMINATION

AD-444390

N65-10012

ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE

NASA-TT-F-277

N65-10303

ANIMAL STUDIES ON RADIATION EFFECTS, IRRADIATION
EXPOSURE, AND USE OF THERAPEUTIC COMPOUNDS AS
PROTECTIVE AGENTS AGAINST INJURY

AD-607952

N65-11098

ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF
CESIUM 134 FROM ANIMALS

JPRS-27544

N65-11249

BIOLOGICAL AND MEDICAL EXPERIMENTS AND RESEARCH
REPORTS ON LABORATORY ANIMAL STUDIES

ANL-6906

N65-11931

ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY
NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING
LEARNING AND DIFFERENT STAGES OF SLEEP AND
ALERTNESS

AFOSR-64-0966

N65-13205

SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF
FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY
OF HUMANS AND ANIMALS

NASA-TT-F-228

N65-13626

ACCELERATION EFFECTS ON ANIMAL GROWTH

N65-13642

EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS
OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS
AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN

N65-13648

GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-
OXYGEN ATMOSPHERE

N65-13649

USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE

N65-13678

EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE
WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN
BEINGS AND ANIMALS

N65-13684

PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS
AFTER ACCELERATION STRESS

N65-13696

ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY
OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS
AND ACCELERATION STRESS

N65-13699

BODY POSITION OF ANIMALS IN WEIGHTLESSNESS

N65-13701

ANIMAL STUDIES ON EFFECTS OF CENTRIFUGAL

ACCELERATION STRESS ON CEREBRAL BLOOD FLOW

N65-13702

ROLE OF GRAVITY IN LIFE OF ORGANISMS AND EVOLUTION
OF ANIMALS - PROBABLE EFFECTS OF PROLONGED
WEIGHTLESSNESS

N65-13713

PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS
SUBJECTED TO TRANSVERSE ACCELERATIONS

N65-13745

ANIMAL STUDIES ON RADIATION PROTECTION AFFORDED
BY CYSTEAMINE AND OTHER CHEMICAL COMPOUNDS

EUR-1835.F

N65-13804

TYPES OF MEMORY IN ANIMALS - ANIMAL STUDY

NASA-TT-F-304

N65-14945

PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM
OF ANIMALS - NEUROPHYSIOLOGY

JPRS-28419

N65-15045

METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE

NASA-CR-60338

N65-15372

COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL
CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF
BEHAVIOR

NASA-CR-53475

N65-15373

RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON
ANIMAL ORGANISMS

JPRS-28405

N65-15676

RADIATION EFFECTS IN MAN AND ANIMAL ORGANISM

HW-83613

N65-15860

ACTIVITY OF CYTOCHROME OXIDASE IN ORGANS OF RATS
ADAPTED TO HIGHER AND LOWER TEMPERATURES

FTD-TT-64-444/162

N65-15963

SENSORY ORGANS IN ANIMAL SYSTEMS - ANALOGY FOR
MANMADE DETECTION DEVICES

NASA-CR-60434

N65-16028

PHYSIOLOGICAL ADAPTATION OF WARM BLOODED ANIMALS
TO LOW TEMPERATURES

FTD-TT-64-445/162

N65-16291

ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY
DISEASE

NASA-TT-F-9247

N65-16304

REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT

N65-16404

LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM

N65-16405

EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE
AND CELL DIVISION IN MAN AND ANIMAL

NASA-CR-52453

N65-16486

BIONICS EXTENDED BEYOND CONTEMPORARY SPECIES TO
INCLUDE EXTINCT ANIMALS - ANIMAL ANALOGIES FOR
TECHNOLOGICAL SYSTEMS

N65-16513

BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND
PLANT RESEARCH FOR SPACE EXPLORATION

AD-450818

N65-16601

BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT

N65-16605

OPERANT CONDITIONING APPARATUS FOR ANIMAL BEHAVIOR
STUDY

N65-16614

TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART
FUNCTION

N65-16625

ELECTROANESTHESIA IN LARGE ANIMALS

N65-16630

GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL,
AND PHOTOSYNTHETIC GAS EXCHANGER STUDY

SAM-TDR-64-52

N65-16879

SUBJECT INDEX

ANIMAL STUDY CONTD

- IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION
NASA-CR-52231 N65-17068
- STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO EFFECTS OF ACCELERATION N65-17746
- BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE LABORATORY
ARL-TR-64-17 N65-17750
- LOWER VERTEBRATES ADAPTATION TO HYPOXIA N65-17753
- COMPARATIVE PHYSIOLOGICAL FEATURES OF ANIMAL HEMATOGENETIC FUNCTIONS UNDER HIGH MOUNTAIN CLIMATE CONDITIONS - HYPOXIA N65-17756
- ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY ACCLIMATIZATION TO HYPOXIA N65-17806
- CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS IN HIGH ALTITUDE ENVIRONMENT N65-17824
- TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112 N65-17909
- PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED WITH HEART FUNCTION IN MAN AND DOGS
NASA-CR-57145 N65-18490
- HIGH ENERGY NONFAT NUTRIENT SOURCES - ANIMAL STUDY IN NUTRITION N65-18598
- EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS SYSTEMS N65-18886
- ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT, GROSS SENSITIZATION INDEX, AND GROSS SKIN TOXICITY OF DEVELOPMENT MATERIALS
AMRL-TR-64-120 N65-18967
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30 N65-18972
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151
- RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN
AD-610947 N65-19211
- EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN LIVERS OF MICE N65-19212
- INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN RAT LIVERS N65-19213
- INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE N65-19214
- DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE N65-19215
- RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE RATS, AND RABBITS N65-19217
- RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282 N65-19472
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT
NASA-CR-57477 N65-19871
- ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE OF IRRADIATED ANIMALS - ANIMAL STUDY N65-20133
- STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY N65-20588
- CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL SERUMS FOLLOWING RESTRAINT
ARL-TR-64-12 N65-20895
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING HEMATOLOGIC ALTERATIONS
ARL-TR-64-13 N65-20896
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING URINE ALTERATIONS
ARL-TR-64-14 N65-20897
- ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION ABSORPTION ON ANIMALS, FLIGHT MEDICINE, PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN PATHOLOGY N65-21202
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237
- ROENTGEN VIDEO EQUIPMENT STUDIES OF HEART AND LUNG DURING POSITIVE ACCELERATION - FLUOROSCOPY
NASA-CR-57958 N65-21324
- ANIMAL STUDY OF HEARING SENSITIVITY AND PATTERNS N65-22296
- SKIN GRAFT REJECTION IN FETUS OF SHEEP N65-22306
- TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE IN IRRADIATED ORGANISM - ANIMAL STUDY N65-22724
- PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS ENTEROTOXIN - ANIMAL STUDY N65-22747
- REPARATIVE REGENERATION OF VARIOUS TISSUES OF ANIMALS UNDER EFFECT OF IONIZING RADIATION
JPRS-29904 N65-23052
- PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS N65-23458
- BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON METABOLISM OF WILD SPECIES OF PLANTS AND ANIMALS
TID-3910, SUPPL. 3 N65-23596
- URINE EXCRETION IN ANIMALS - DEPENDENCE OF DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION IN DRINKING WATER
NASA-TT-F-9337 N65-23793
- SPACE ENVIRONMENT SIMULATION OF VACUUM DECOMPRESSION TO DETERMINE SURVIVAL AND RECOVERY PROBABILITY - ANIMAL STUDY
NASA-TM-X-51669 N65-24039
- ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM DUE TO OXYGEN STARVATION N65-25026
- SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING ENVIRONMENTAL FACTORS
AD-612908 N65-26003
- CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION INTERACTION AND INDEPENDENT EFFECTS ON BREATHING - RESPIRATION STIMULANTS IN ARTERIAL BLOOD
SAM-TR-64-94 N65-26242
- RADIATION PROTECTION AND GENETICS, AND RECOVERY PROCESSES DURING POST-RADIATION PERIOD - RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON ANIMALS, INSECTS, AND YEAST CELLS
AEC-TR-6404 N65-26378

- INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
N65-26396
- INSOLATION RESEARCH ON CONDITIONED REFLEX ACTIVITY AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION IN HUMAN BODY
JPRS-30527 N65-27425
- INFLUENCE OF INSOLATION OF COLLAR ZONE ON CONDITIONED REFLEX ACTIVITY AND ARTERIAL PRESSURE OF ANIMALS
N65-27426
- MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE - MUSCULAR-SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT FEMALE CHIMPANZEE
ARL-TR-65-3 N65-27544
- AUTOMATED LABORATORY APPARATUS FOR STUDY OF ANIMAL CONDITIONED REFLEX
JPRS-30962 N65-28133
- HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN STATE OF HYPOTHERMIA
JPRS-30998 N65-28140
- ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF PLUTONIUM-BEARING WEAPON SIMULANT
UR-665 N65-28325
- RADIATION AND GRAVITATIONAL EFFECT ON WASPS AND SHRIMP - ANIMAL STUDY
NASA-CR-63829 N65-28538
- EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS
NRC-TT-1162 N65-28590
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
- EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL PROPERTIES OF ANIMAL BLOOD
N65-28701
- MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM AFTER EXPOSURE TO ULTRASONIC IRRADIATION - ANIMAL STUDY
N65-28702
- ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY ANIMALS AND ANIMALS WITH RADIATION SICKNESS
N65-28704
- THERMAL EFFECT OF SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS OF SUPERHIGH FREQUENCY FIELD DOSIMETRY
N65-28705
- ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION, COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY
N65-28706
- COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE PROGRAMS WITH ANIMALS
N65-28770
- NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD EFFECTS IN DOGS AND ANIMALS DURING ELECTRONARCOSIS
JPRS-31018 N65-28808
- EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT OF ULTRASHORT ELECTROMAGNETIC WAVES ON BIOLOGICAL SUBJECTS
NRC-TT-1161 N65-28815
- ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR MEMBRANE THEORY
NASA-CR-63917 N65-29149
- SATELLITES AND HIGH FLYING AIRCRAFT TO STUDY CETACEANS AND OTHER LARGE MARINE ANIMALS - OCEANOGRAPHY
N65-30369
- COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR
- DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE PHANTOM FOR RADIATION EXPERIMENTS INVOLVING SHEEP
USNRDL-TR-842 N65-30503
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN SPLEEN AND VENA CAVA OF MICE INJECTED WITH SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION
SAM-TR-65-13 N65-30506
- SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING RADIATION, RADIAL ACCELERATION, VERTICAL VIBRATION, AND PROLONGED ACCELERATION ON PHYSIOLOGICAL RESPONSE IN ANIMALS
NASA-TT-F-354 N65-31375
- RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW IN CEREBRAL VEINS OF RABBITS
N65-31377
- VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL TISSUE OF RATS
N65-31386
- MECHANISM OF COMBINED EFFECT OF VIBRATION AND IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL TISSUES OF RATS
N65-31387
- ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE ISOLATED GIANT AXON OF RAIN WORM
N65-32663
- ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018 N65-32718
- RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION STRESSES
NASA-CR-236 N65-32926
- MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679
- CONSTRUCTION AND OPERATION OF SMALL ANIMAL CENTRIFUGE FOR CARRYING OUT EXPOSURES TO GRAVITATIONAL FIELD
SAM-TR-65-23 N65-33738
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS DURING HYPOXIA - ANIMAL STUDY
SAM-TR-64-78 N65-34068
- HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP UNDER KNOWN ENVIRONMENTAL CONDITIONS
AFWL-TR-65-109 N65-34145
- BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN LARGE ANIMALS - RADIATION EFFECTS
N65-34583
- BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585
- BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION EFFECTS IN ANIMALS AND MAN
N65-34586
- PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES - REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958 N65-34775
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES AFTER ADMINISTRATION OF VARIOUS DRUGS
N65-34776
- BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA IN DOGS SUBJECTED TO HEMORRHAGING
JPRS-31781 N65-35017
- AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS AND PRE-ADOLESCENT CHIMPANZEES
NASA-CR-67297 N65-35104
- CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF SENSITIVITY TO ROTATION IN WHITE RATS

SUBJECT INDEX

ANTIADRENERGICS

- NASA-CR-67253 N65-35110
EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM
STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780
- EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL
ENDURANCE OF IRRADIATED MICE AND RATS AFTER
ADRENAL GLAND REMOVAL, AND ON MUSCULAR TONUS OF
GUINEA PIG INTESTINE
JPRS-31933 N65-35890
- PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891
- BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY
ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME
FLUIDS
ATD-T-65-56 N65-35916
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON
CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE N65-36771
- ANOXIA**
SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482
- EKG INVESTIGATION OF RIGHT INTRAVENTRICULAR
CONDUCTION IN FLIGHT CADETS IN ACUTE ANOXIC ANOXIA
A65-20986
- ANOXIA AND TREATMENT IN ACCIDENTAL HYPOTHERMIA
A65-80009
- BRAIN DISORDERS AND LEVELS OF AMINO
ACIDS OF RAT DURING ANOXIA A65-80230
- INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT
IN CHRONIC ANOXIA A65-80998
- PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST
ANOXIA IN MICE A65-81209
- INVESTIGATIONS INTO PROTECTIVE ACTION OF
ANESTHETICS AGAINST ANOXIA IN MICE
A65-81210
- HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE
MARROW OF MICE TWICE IRRADIATED WITH COBALT 60
DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE
MARROW A65-81265
- ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP
/CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384
- EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND
VASODILATORS IN REACTIVE HYPEREMIA IN DOGS
A65-81450
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
- HYPOTHERMIA A65-81456
- CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF
NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG,
MJ1999, IN DOGS A65-81714
- ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF
ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO
ANOXIA A65-81796
- PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE,
AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED
BY ANOXIA IN DECOMPRESSION CHAMBER A65-81841
- ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA
A65-82052
- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION A65-82269
- ANOXIA INFLUENCE ON METABOLISM OF SMOOTH MUSCLE
N65-17772
- ANTARCTICA**
CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263
- CHANGES IN RESPIRATION DURING ACCLIMATIZATION IN
INTERIOR OF ANTARCTICA A65-80709
- PSYCHOLOGICAL ASPECTS OF ADAPTATION TO LIFE ON
ANTARCTIC STATIONS A65-81236
- INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA A65-81308
- PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW
TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND
POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/162 N65-17083
- BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE
PREDICTION AT LARGE ANTARCTIC STATION
REPT.-64-22 N65-19567
- ANTHROPOMETRY**
SA BODY MEASUREMENT /BIOL/
SA BODY SIZE /BIOL/
SA HUMAN ENGINEERING
SA ORGAN WEIGHT
- ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK
CAPACITY AND ANTHROPOMETRIC MEASUREMENTS
OF MIDDLE-AGED MEN A65-80203
- REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT
ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL
EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS
A65-80901
- ANTHROPOMETRIC MEASUREMENTS OF VARIOUS NOMADIC
RACIAL GROUPS LIVING IN SAHARA A65-80964
- ANTHROPOMETRIC MEASUREMENTS OF INDIAN SUBJECTS
ACCLIMATIZED TO HOT AND COLD CLIMATES
A65-80971
- HUMAN ENGINEERING DESIGN CRITERIA - OPERATIONAL
ENVIRONMENT, SAFETY, CONTROL AND DISPLAY,
DECISION MAKING, ANTHROPOMETRY, CLOTHING, AND
MAINTAINABILITY
NASA-CR-60855 N65-17511
- HUMAN-MACHINE ANTHROPOMECHANIC SYNERGY DEPENDENCE
UPON COMMUNICATION N65-28451
- ANTIADRENERGICS**
CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF
NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG,
MJ1999, IN DOGS A65-81714

ANTIBACTERIALS

SUBJECT INDEX

ANTIBACTERIALS

ANTIBACTERIAL PROPERTIES OF TROPICAL AND
SUBTROPICAL FRUIT
JPRS-30497 N65-27267

ANTIBIOTICS

EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND
HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL
INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717

EFFECT OF ACTINOMYCIN AND ROLE OF NUCLEIC ACIDS ON
GREENING OF GLUCOSE-BLEACHED AND ETIOLATED ALGAL
CELLS A65-80938

EFFECT OF MITOMYCIN C ON PROCESSES OF GREENING AND
DIVISION OF GLUCOSE BLEACHED CELLS OF CHLORELLA
PROTOTHECOIDES A65-82348

CHARACTERISTICS OF ALKALOIDS ISOLATED FROM VINCA
ROSEA LINN N65-15352
JPRS-28448

MOLECULAR MECHANISMS OF ANTIMICROBIAL ACTION OF
ANTIBIOTICS - MOLECULAR BASIS FOR CHEMOTHERAPY
N65-22762

ANTIBODY

SA ANTIGEN

IMMUNOADSORBENT SYNTHESIS FOR ISOLATING PURINE-
SPECIFIC ANTIBODIES FROM BLOOD SERUM
A65-25911

CELLULOSE DERIVATIVES TO ISOLATE ANTIBODIES FROM
SERUM A65-26273

REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH
ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS
WITH ANTIPURINOYL ANTIBODY WITH OR WITHOUT HEAT
DENATURATION A65-33947

MECHANISM OF HUMAN ANTIBODY FORMATION
BNL-912/T-374/ N65-33991

FATE OF SPLEEN CELLS LABELLED WITH TRITIUM -
SENSITIVITY IN VIVO CULTURES DURING SECONDARY
RESPONSE OF ANTIBODY N65-36617

ANTICHOLINERGICS

SA HEXAMETHONIUM

REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING
ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS,
AND MISCELLANEOUS GROUP, COVERING 1954-1964
A65-80380

ANTICHOLINERGICS, ANTIHISTAMINES, AND
TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION
SICKNESS DRUGS
AD-611394 N65-22889

ANTICIPATION

MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL
THREAT STRESS AS RELATED TO COLOR DISCRIMINATION
PERFORMANCE A65-82118

ANTICOAGULANT

STATUS OF ANTICOAGULATING MECHANISMS UNDER
CONDITIONS OF PROLONGED BED REST
N65-13770

ANTIGEN

SA ANTIBODY

PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264

ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND
SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN
HIBERNATION FOR 14, 28 AND 56 DAYS
A65-81462

RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER
WHOLE BODY X-RAY IRRADIATION IN DOG
LF-17 N65-10880

QUANTITATIVE DETERMINATION OF ANTIGEN
CONCENTRATION BY RELATING IMMUNOELECTROPHORETIC
PRECIPITIN ARC POSITION TO ANTIGEN AND ANTIBODY
ORIGINS
SAM-TR-64-92 N65-34417

ANTIRADIATION DRUG

CHEMICAL STRUCTURE AND EXTENT OF PROTECTION
AGAINST IONIZING RADIATION GIVEN BY ALCOHOLS TO
BACTERIA, SALMONELLA TYPHIMURIUM LT2
A65-80042

RADIATION PROTECTION BY SEVERAL DRUGS IN MOUSE
A65-80095

ASPECTS OF PHARMACOLOGY OF VARIOUS RADIOPROTECTANT
DRUGS A65-80168

ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION
HEMOGLOBIN IN RATS A65-80538

ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
TO RADIATION DAMAGE INFLICTED AFTER USE OF
CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
IN RATS AND MICE A65-80541

USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF
THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST
RADIATION DAMAGE TO TISSUE CELLS
A65-80542

RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION A65-80622

GENETIC EFFECT OF LOW RADIATION DOSES AND PROBLEMS
OF CHEMICAL RADIOPROTECTION A65-80656

CHEMICAL PROTECTION OF CHLORELLA FROM ULTRAVIOLET
RADIATION A65-80659

RADIOPROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE
IN X-IRRADIATION MICE A65-81029

PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS A65-81190

INFLUENCE OF INDOLYLALKYLAMINES AND OTHER
COMPOUNDS ON ABILITY OF MICE TO TOLERATE LOW
BAROMETRIC PRESSURE IN PRESSURE CHAMBER
A65-81266

FORMATION OF METHEMOGLOBIN IN RABBITS AFTER
INTRAVENOUS INJECTION OF CHEMICAL RADIOPROTECTORS
A65-81267

EFFECT OF PROTECTORS ON BONE MARROW REGENERATION
AFTER IRRADIATION BY SUBLETHAL DOSES OF
X-RADIATION A65-81551

PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONIUM AND ALYMINAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS
A65-81673

PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION
A65-81767

COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY
A65-81989

EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION
OF SMALL INTESTINE IN GUINEA PIGS
A65-81990

EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON
PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS
IN DOGS A65-82182

ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS

SUBJECT INDEX

APPARATUS

AND RADIATION PROTECTION
NASA-CR-62133 N65-21422

BLOOD CIRCULATION IN MICE AND RATS TRACED FOR
DETERMINING INFLUENCE OF ANTIRADIATION DRUGS
ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN
IN ORGANS N65-26390

EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE
HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE
OXIDATION BY RAT SPLEEN AND BONE MARROW
SUSPENSIONS
SAM-TR-65-29 N65-34260

EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL
ENDURANCE OF IRRADIATED MICE AND RATS AFTER
ADRENAL GLAND REMOVAL, AND ON MUSCULAR TONUS OF
GUINEA PIG INTESTINE
JPRS-31933 N65-35890

PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891

EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG
N65-35892

ANTISUBMARINE WARFARE
INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTIAIRCRAFT WARFARE
REPT-567-R-2 N65-28334

ANXIETY
SA TAYLOR MANIFEST ANXIETY SCALE

AUTONOMIC CORRELATES OF ELECTRICAL
EXCITABILITY OF EYE A65-80250

PHYSIOLOGICAL AND METABOLIC RESPONSE TO
HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS
A65-80407

SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP
BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF
REPORT, AND ANXIETY A65-80561

PSYCHOLOGICAL MECHANISMS IN PILOT ERROR - ANXIETY
AND PILOT TRAINING A65-81326

AMPHETAMINE EFFECTS ON ANXIETY AND MENTAL AND
PSYCHOMOTOR PERFORMANCE A65-81481

STEEPNESS OF APPROACH AND AVOIDANCE GRADIENTS IN
PARACHUTE JUMPING AS FUNCTION OF EXPERIENCE
A65-81616

MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921

APNEA
SA VOLUNTARY APNEA

CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,
RESPIRATION, CIRCULATION, AND APNEA
JPRS-30577 N65-25459

APOLLO PROJECT
VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE
SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES
FROM MANNED CHAMBER TESTING A65-10831

DEVELOPMENT OF PRESSURE SUIT FROM HALDANE TO
EXTRAVEHICULAR SPACE SUIT, NOTING SUPPORT
EQUIPMENT AND ADVANCED CONCEPTS
A65-12546

APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING
PRESSURE SUIT FOR LUNAR SURFACE USE
NYAS PAPER TP 65-01 A65-17201

APOLLO MISSION SPACE SUIT DESIGN CHARACTERISTICS
A65-17293

APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND
SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS

MERCURY AND GEMINI
AIAA PAPER 65-274 A65-22105

THERMAL EQUILIBRIUM OF APOLLO MISSION
EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING
GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT
A65-23618

APOLLO SPACE SUIT DESIGN INCLUDING PERSONAL
LIQUID COOLING FOR CONDITIONING AND REPLENISHING
ATMOSPHERE INSIDE SPACE SUIT
ASME PAPER 65-AV-45 A65-24390

HISTORY AND POPULAR ACCOUNT OF DEVELOPMENT AND
OPERATIONS OF APOLLO PROJECT A65-80584

MEDICAL ASPECTS OF GEMINI AND APOLLO PROJECTS
A65-80847

APOLLO SUIT SUBSTANTIALLY REDESIGNED
A65-81160

APOLLO PROGRAM AND MANNED ORBITING SPACE STATIONS
A65-81281

VARIOUS OPERATIONAL AND FLIGHT ASPECTS OF APOLLO
PROGRAM AND COMPONENT MODULES A65-81355

TRAINING OF AIR FORCE PILOTS DURING SIMULATION OF
APOLLO FLIGHT A65-81389

PSYCHOLOGY OF MOON FLIGHT - HUMAN TOLERANCE TO SPA
FLIGHT STRESS AND LIFE SUPPORT SYSTEMS
A65-81611

PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS
CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND
GEMINI PROJECTS
NASA-TN-D-2506 N65-14451

PREPARATION, HANDLING, AND STORAGE OF FOOD FOR
MERCURY, GEMINI, AND APOLLO SPACE PROJECTS
N65-18574

SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697 N65-21473

APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT
MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT
VEHICLE
NASA-CR-61079 N65-29966

PERSONNEL DOSIMETRY SYSTEM FOR APOLLO
NASA-CR-65071 N65-30920

SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE
LIMITS FOR CREW PROTECTION N65-34591

SPACE RADIATION EFFECTS ON APOLLO MISSION -
SHIELDING ANALYSIS N65-34592

SPACE RADIATION EFFECTS ON APOLLO MISSION -
ENVIRONMENTAL ANALYSIS N65-34593

SPACE RADIATION EFFECTS ON APOLLO MISSION -
OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594

MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS
NASA-CR-65157 N65-36441

APOLLO SPACECRAFT
MOON SUIT DESCRIBING COOLING SYSTEM, MATERIAL AND
LIFE SUPPORT BACKPACK A65-15100

MANNED SPACEFLIGHT ANALYTICAL INSTRUMENTATION USES
DESIGN TRADEOFF OF REDUCTION IN SIZE WITH LOSS OF
VERSATILITY
AICE PREPRINT 54E A65-15227

APPARATUS
S AIRCRAFT BREATHING APPARATUS
S INSTRUMENT
S LABORATORY APPARATUS
S MEASURING APPARATUS
S OXYGEN APPARATUS
S PRESSURE APPARATUS
S SPRAYING APPARATUS

APPROACH AND LANDING

S VESTIBULAR APPARATUS

APPROACH AND LANDING

COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN
LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV
SCREEN SIMULATING VISUAL APPROACH AND LANDING
A65-26416

NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS
ATTRIBUTED TO VISUAL ILLUSION INVOLVING
OVERESTIMATION OF ALTITUDE A65-30100

APPROACH CONTROL

THEORY AND SIMULATION OF PILOTED LONGITUDINAL
CONTROL IN CARRIER APPROACH
STI-TR-130-1 N65-26994

DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946

EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO
MAKE CARRIER APPROACHES
NAVTRADEVCE-1432-1 N65-31080

APPROXIMATION METHOD

VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE
VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598

APTITUDE

SA PERSONALITY
SA PERSONNEL SELECTION

TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY
CHARACTERISTICS OF AIR TRAFFIC CONTROL
SPECIALIST RELATED TO PASS-FAIL DATA
A65-80144

VALIDATION OF CAREFULNESS TEST BATTERY USED IN
PERSONNEL SELECTION A65-81555

DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY
NASA-CR-156 N65-15546

ARCTIC

DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268

BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN
ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2 N65-19004

PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT
N65-22731

ARCTIC MEDICINE AND BIOLOGY - FROSTBITE
N65-24301

ARGON

CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156

DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN
A65-82159

AROMATIC COMPOUND

SA PHENOL

ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT A65-80141

AROUSAL

INCREASED STIMULATION LIMITATIONS IN SENSORY
IMPOVERISHED ENVIRONMENT, DISCUSSING OPTIMUM LEVEL
OF AROUSAL FOR WORKING EFFICIENCY
A65-26728

VISUAL SIGNAL DETECTION DURING
PERFORMANCE OF TWO CONCURRENT
COGNITIVE TASKS A65-80242

SUBJECT INDEX

PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80254

ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL A65-8026C

VIGILANCE TASK PERFORMANCE AND INDICES OF
PHYSIOLOGICAL AROUSAL A65-80560

BINOULAR RIVALRY RATE AS FUNCTION OF
PHYSIOLOGICAL AROUSAL AND VERBAL INTELLIGENCE
A65-80566

EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING
WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE
SLEEP A65-80616

BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF
DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877

TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX A65-80888

AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES A65-80946

FLICKER PERIODICITY EFFECT ON PERFORMANCE AND
AROUSAL DURING ROTARY PURSUIT TASK
A65-81105

CORE TEMPERATURE INFLUENCE UPON DURATION OF
HIBERNATION OF GROUND SQUIRREL, CITELLUS
LATERALIS A65-81139

CHANGES IN REGIONAL BLOOD FLOW AND BLOOD VOLUME
DURING AROUSAL FROM HIBERNATION IN GROUND
SQUIRREL, CITELLUS TRIDECIMLINEATUS
A65-81458

AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEY/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499

ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL A65-81500

STEADY POTENTIAL SHIFTS IN CAT DURING AROUSAL AND
DEEP SLEEP A65-81534

CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930

WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON
CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041

GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS
A65-82046

PERSONALITY AND INVERTED - U RELATION BETWEEN
PERFORMANCE AND AROUSAL A65-82114

MENTAL PERFORMANCE RELATED TO LEVEL OF AROUSAL
A65-82261

TIME ESTIMATION AS INDICATOR OF ATTENTION AND/OR
AROUSAL IN VIEWING COMPLEX AND MEANINGFUL STIMULI
A65-82345

ARSENIC

INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD -
STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON
CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND
TRACING PHENOL CONTENT IN AIR
JPRS-29981 N65-23776

ARTERIOSCLEROSIS

FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION,

SUBJECT INDEX

ASPHYXIA

- AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO
HEAT AND COLD A65-81604
- HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE
N65-17792
- GRAVITATION EFFECT ON NERVOUS SYSTEM DURING SPACE
FLIGHT, AND EFFECTS OF AGE, SOUND, AND PHOTIC
STIMULI ON ARTERIOSCLEROSIS AND ROLE OF NERVOUS
SYSTEM IN PATHOGENESIS
JPRS-29666 N65-23443
- EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC
STIMULI ON DEVELOPMENT OF NUTRITIONAL
CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL
NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF
SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS
OF AORTA
NASA-TT-F-9569 N65-33809
- ARTERY**
- AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH
ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY
ARTERIES AND RENAL GLOMERULI A65-80558
- EFFECT OF CORIOLIS ACCELERATION ON HUMAN BLOOD
VESSEL TONUS A65-80981
- EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY
SIZE IN RATS A65-81429
- TEMPERATURE REGULATION IN COLD AND WARM ADAPTED
RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD
PRECOOLING A65-82146
- PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR
CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY
METHYL DOPA A65-82191
- ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346 N65-14761
- GRAVITATIONAL STRESS EFFECT ON ARTERIAL WALL
JPRS-28476 N65-15353
- INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL
ARTERY IN DOGS N65-17786
- OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY N65-17787
- PATHOGENESIS OF ARTERIAL HYPOXEMIA IN RHEUMATIC
HEART DISEASE N65-17793
- CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND
RESPIRATION WITH NORMAL AND DEPRESSED THYROID
GLAND FUNCTIONING IN MOUNTAIN CONDITIONS
N65-17825
- ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER
HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149
- TRANSDUCER TO MEASURE BLOOD PRESSURE FOR
APPLICATION ON SUPERFICIAL TEMPORAL ARTERY
NASA-CR-293 N65-32277
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
SYSTEM AND OBSERVATIONS OF MAMMALIAN
MICROCIRCULATION
NASA-CR-67225 N65-35105
- ARTHROPOD**
- SA INSECT**
- ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE
CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL
GANGLIA ELECTRICAL ACTIVITY A65-22674
- ARTIFICIAL EAR**
- ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW
ARTIFICIAL EAR WITH NEW RECORDING DEVICE
A65-80743
- ELECTRONIC ANALOG ARTIFICIAL EAR MODEL SIMULATION
- FOR COMPLEX SOUND CLASSIFICATION AND THEORY OF
HEARING - ANALOG COCHLEA
NOLTR-64-191 N65-22496
- ARTIFICIAL GRAVITY**
- PHYSIOLOGICAL RESPONSES OF MAN TO SPACE
ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO
SUPPORT LIFE A65-12543
- EFFECTS OF WEIGHTLESSNESS AND ACCELERATION ON
VARIOUS PHYSIOLOGICAL FUNCTIONS AND USE OF
ARTIFICIAL GRAVITY DURING PROLONGED FLIGHTS
A65-80299
- SEMICIRCULAR CANAL AND OTOLITH ORGAN DISTURBANCES
BY HIGH G LOAD, WEIGHTLESSNESS, AND ARTIFICIAL
GRAVITY IN SPACE TRAVEL
NASA-CR-60419 N65-16027
- ARTIFICIAL GRAVITY AND MENTAL EXERCISE FOR CREW ON
LONG DURATION SPACE FLIGHT
JPRS-29211 N65-20095
- EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674
- ARTIFICIAL INTELLIGENCE**
- SA BIOSIMULATION**
- EXTRATERRESTRIAL LIFE, ULTRA-INTELLIGENT MACHINES
AND SPACE EXPLORATION A65-82208
- ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN
MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156 N65-24231
- CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE
FR-65-11-44 N65-32223
- ARTIFICIAL RADIATION BELT**
- RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS A65-30674
- ARTIFICIAL RESPIRATION**
- ORGANIZATION OF AN ARTIFICIAL RESPIRATION CENTER-
THERAPY OF ACUTE CARBON MONOXIDE POISONING
A65-80281
- ARTIFICIAL RESPIRATION - REVIEW OF PHYSIOLOGY AND
TECHNIQUES A65-82021
- PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF
AUTOMATIC RESPIRATORS
HDL-TM-64-23 N65-19416
- ARTIFICIAL SATELLITE**
- S SATELLITE**
- ASCORBIC ACID**
- EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS A65-82029
- EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN
ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN
RABBITS A65-82030
- RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID A65-82177
- ASCORBIC ACID METABOLISM**
- ASCORBIC ACID METABOLISM OF ALBINO
RATS AND GUINEA PIGS EXPOSED TO
HIGH TEMPERATURE ENVIRONMENT
AS AFFECTED BY VITAMIN P A65-80265
- ASPHYXIA**
- LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073
- ASPHYXIA INFLUENCE ON ELECTROCORTICAL EFFECTS OF
ACETYLCHOLINE - HYPOXIA N65-17771
- EFFECT OF ASPHYXIA ON ELECTROCARDIOGRAM OF PUPPIES

ASTHMA

SUBJECT INDEX

AND KITTENS OF DIFFERENT AGES
JPRS-30297 N65-24691

ASTHMA
CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI
RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA
PATIENTS N65-17801

INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY
FUNCTION IN BRONCHIAL ASTHMA PATIENTS N65-17830

MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH
BRONCHIAL ASTHMA N65-17831

PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY
ACCLIMATIZATION TO HIGH ALTITUDES N65-17832

ASTROBIOLOGY
S BIOASTRONAUTICS
S EXTRATERRESTRIAL LIFE

ASTRONAUT
SA ORBITAL WORKER
SA PILOT

DEPERSONALIZATION SYNDROME AS THREAT TO
EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222

OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM
EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY
CHANGING POSITIONS OF ASTRONAUTS AND USING
INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS A65-80412

PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING
A65-80436

DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198

OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN
SOVIET ASTRONAUTS DURING SPACE FLIGHT
A65-81199

TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT
A65-81387

HISTORICAL REVIEW AND CURRENT PROBLEMS IN
MONITORING HEALTH OF ASTRONAUTS
A65-81835

EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819 N65-12662

VITAMIN REQUIREMENTS IN DIET OF AVIATORS AND
ASTRONAUTS N65-13763

METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT N65-13765

EVALUATING ASTRONAUT CONDITION AND ACTIVITY IN
PROLONGED SPACE FLIGHT
NASA-TT-F-271 N65-13965

PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN
SKIN AND ITS INFLUENCE ON VITAL PROCESSES
N65-15173

ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION N65-18592

PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE
FLIGHT N65-18593

ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401

OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOD MANNED SPACECRAFT
JPRS-29911 N65-23053

RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND
THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND
PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR
ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/1&2 N65-27857

X-15 PROGRAM AND MERCURY PROJECT MANNED
SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT
N65-28453

CORRELATION OF ELECTRIC AND MECHANICAL
ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND
PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW
MEMBERS N65-36105

MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS
NASA-CR-65157 N65-36441

ASTRONAUT LOCOMOTION
EXTRAVEHICULAR OPERATION OF VOSKHOD II MANNED
SPACECRAFT - COSMONAUT REPORT DURING PRESS
CONFERENCE N65-28287

ASTRONAUT PERFORMANCE
SA PILOT PERFORMANCE

OPTIMIZATION LOGISTICS PLANNING FOR IN FLIGHT
PHYSIOLOGICAL EXPERIMENTS DURING MANNED SPACE
FLIGHT A65-10540

ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733

IN FLIGHT CREW ACTIVITIES COVERING DETAILED
FLIGHT PLAN, ACTIVITIES AND PROCEDURES, CHECKLISTS
AND SUMMARY A65-12574

SPACE SYSTEM REQUIREMENTS IMPOSED BY LOSS OF
WORKER EFFICIENCY IN REDUCED TRACTION AND PRESSURE
SUITED ENVIRONMENTS
ASME PAPER 64-WA/HUF-2 A65-13422

HUMAN CIRCADIAN RHYTHMS AND ENTRAINMENT IN SPACE
FLIGHT, NOTING DIURNAL RHYTHM EFFECT ON SENSORY
AND MOTOR PERFORMANCE A65-14577

OPHTHALMOLOGICAL CONSIDERATIONS OF VISUAL PROBLEMS
OF SPACE FLIGHT A65-14807

ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628

ASTRONAUT FEEDING IN SPACE FLIGHTS, FREEZE-
DEHYDRATED AND BITE-SIZE READY-TO-EAT FOOD,
STORAGE AND CONTAINER HANDLING PROBLEMS
A65-18837

PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR
ORBITAL MAINTENANCE AND TASK PERFORMANCE IN
SIMULATED SPACE ENVIRONMENT A65-19842

CREW PERFORMANCE INTEGRATION INTO OPTIMUM-
RELIABILITY DESIGN OF MANNED SPACE STATION
A65-22704

PROLONGED SPACE FLIGHT EFFECTS ON CARDIOVASCULAR
SYSTEM, ASCERTAINING MECHANISM AND CAUSES OF
ORTHOSTATIC HYPOTENSION A65-23461

SPACE CABIN SIMULATOR AND TESTING OF INTEGRATED
LIFE-SUPPORT SYSTEMS WITH CREW
ASME PAPER 65-AV-19 A65-25030

WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM
VOSKHOD FLIGHTS A65-25551

CLINICAL OBSERVATION OF REACTION OF CREW OF
SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHOD
NOTING VESTIBULAR EFFECTS A65-28331

PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD
EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD
VOSKHOD I AND II A65-28943

MEDICAL EXAMINATION OF VOSKHOD SPACESHIP
COSMONAUTS, USING BIOTELEMETRIC SYSTEMS AND
ONBOARD INSTRUMENTS A65-29941

SUBJECT INDEX

ASTRONAUTICS

- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE A65-30672
- PHARMACEUTICALS AND ADMINISTRATIVE MEANS FOR EFFECTING PERFORMANCE CHANGES IN ASTRONAUTS UNDER FLIGHT STRESSES A65-33278
- WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION COUNTERACTED BY VARIOUS DRUGS A65-33279
- ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW MEASUREMENTS A65-33281
- ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD VOSKHOD I NOTING APPARATUS RECORDING ELECTROENCEPHALOGRAPH, ELECTROOCULOGAM, DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF ASTRONAUTS A65-34946
- ASTRONAUT PERFORMANCE ABOARD VOSKHOD I AND II SPACECRAFT WITH RESPECT TO CHANGES IN CONTROL ACTIVITY, VISUAL RESOLUTION AND QUALITATIVE ANALYSIS OF OPERATIONAL MEMORY A65-35251
- BELIAEV DESCRIPTION OF 17-ORBIT FLIGHT OF VOSKHOD II INCLUDING SPACECRAFT DESIGN AND CONTROL, LIFE SUPPORT SYSTEM AND WALK-IN-SPACE A65-35254
- BOOK ON VISUAL CAPABILITIES IN SPACE ENVIRONMENT INCLUDING ASTRONAUTS AND COSMONAUTS EXPERIENCES, SPACE CABIN ATMOSPHERE INFLUENCE, VISUAL DISPLAYS FOR SPACE SYSTEMS, ETC A65-35480
- PROGRAM OF VISUAL EXPERIMENTS FOR ORBITAL RESEARCH LABORATORIES INCLUDING GEMINI AND APOLLO TEST SCHEDULE FOR EVALUATION OF HUMAN VISION IN SPACE A65-35495
- VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT ON HUMAN VISUAL CAPABILITIES A65-35496
- EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR ANGULAR MOMENTUM TRANSFER A65-35637
- SOME BEHAVIORAL FACTORS AFFECTING ASTRONAUTS A65-81253
- CAPACITY OF MAN TO PERFORM WORK DURING WEIGHTLESSNESS OF SPACE FLIGHT A65-81554
- PSYCHOLOGICAL FACTORS AND ASTRONAUT PERFORMANCE IN SPACE TRAVEL A65-81791
- ASTRONAUT PERFORMANCE UNDER STRAPPED AND UNFASTENED CONDITIONS DURING BRIEF PERIODS OF WEIGHTLESSNESS N65-13695
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS N65-16403
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS JPRS-30849 N65-27032
- CONFERENCE ON OBSERVATION BY ASTRONAUTS UNDER SPACE FLIGHT CONDITIONS FTD-TT-65-1/1 N65-28118
- FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED GUIDANCE TECHNIQUE NASA-TN-D-2993 N65-35060
- EVALUATION OF GENERAL PHYSICAL CONDITION OF GEMINI IV FLIGHT CREW WITH INCREASING TIME UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD N65-36104
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS IN ORBITAL FLIGHT NASA-TT-F-9593 N65-36752
- ASTRONAUT TRAINING
ZERO-G SIMULATION BY PARABOLIC AIRCRAFT FLIGHT FOR ASTRONAUT TRAINING A65-14837
- PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG PARABOLIC CURVE A65-16618
- APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS MERCURY AND GEMINI AIAA PAPER 65-274 A65-22105
- INTEGRATED MISSION SIMULATION TECHNIQUE TESTS PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR MISSION AIAA PAPER 65-275 A65-22125
- ADVANCED STATE OF SOVIET TRAINING THEORIES INDICATED BY SIMULATION DEVICES AND TECHNIQUES EMPLOYED IN THEIR MANNED SPACE PROGRAM AIAA PAPER 65-276 A65-22260
- PHYSICAL AND PSYCHOPHYSIOLOGICAL TESTS USED IN SOVIET UNION FOR ASTRONAUT SELECTION AND TRAINING, NOTING SPACE FLIGHT RESULTS A65-22928
- SPACE FLIGHT SIMULATORS FOR SELECTING AND TRAINING ASTRONAUTS, EMPHASIZING SIMULATION OF VARIOUS SITUATIONAL STRESSORS A65-23460
- INSTRUMENTATION OF TEMPERATURE AND PRESSURE CONTROL OF SPACE SUIT AND SIMULATOR CABIN FOR ASTRONAUT TRAINING IN SPACE MISSION SIMULATORS A65-27927
- FIRST WALK IN SPACE FROM VOSKHOD II DESCRIBED BY LEONOV, NOTING IMPORTANCE OF SIMULATED TRAINING A65-35253
- EMOTIONAL-VOLITIONAL REACTION OF RUSSIAN COSMONAUTS DURING PARACHUTE JUMP TRAINING A65-80045
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR STATE OF WEIGHTLESSNESS A65-80923
- SPACEFLIGHT SIMULATORS FOR ASTRONAUT SELECTION AND TRAINING A65-81276
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND OTHER PHYSIOLOGICAL MEASUREMENTS N65-13727
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS N65-16403
- PRE-SPACE FLIGHT ASTRONAUT TRAINING IN RUSSIA FTD-TT-64-398/1 N65-19028
- PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN CENTRIFUGE JPRS-30817 N65-26960
- PHYSICAL AND EMOTIONAL TRAINING OF SOVIET COSMONAUTS JPRS-31250 N65-29011
- EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT PARACHUTISTS DURING TRAINING FTD-TT-65-437/1 N65-29160
- MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING ASTRONAUT SELECTION AND TRAINING, RESULTS OF LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND BIOMEDICAL PLANNING FOR SPACE FLIGHTS NASA-SP-4003 N65-32394
- ASTRONAUTICS
SA BIOASTRONAUTICS
SA SPACE NAVIGATION
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME EXPERIMENTAL RESULTS A65-80438
- PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS,

ASTRONOMY

SUBJECT INDEX

- AVIATION, AND ASTRONAUTICS N65-13746 A65-80582
- ASTRONOMY
HUMAN EYE PHYSIOLOGY WITH RESPECT TO SENSITIVITY
AND PERCEPTION FOR ASTRONOMICAL OBSERVATION A65-32922
- ATMOSPHERE
SA AIR
SA CABIN ATMOSPHERE
SA EARTH ATMOSPHERE
SA GAS
SA LOWER ATMOSPHERE
SA OZONOSPHERE
SA PLANETARY ATMOSPHERE
SA SPACE CABIN ATMOSPHERE
SA STRATOSPHERE
SA TROPOSPHERE
SA UPPER ATMOSPHERE
- EFFECT OF PROLONGED EXPOSURE TO CONDITIONS OF
ARTIFICIAL ATMOSPHERE ON HUMAN BODY
NASA-TT-F-276 N65-11045
- PROCEEDINGS OF ATMOSPHERIC BIOLOGY CONFERENCE
NASA-CR-62786 N65-23980
- BIOCOLLOIDAL MATTER IN ATMOSPHERE N65-23987
- LONG TERM ANALYSIS OF ATMOSPHERIC POLLEN N65-23993
- PROBLEMS OF SAMPLING FOR MICROORGANISMS IN
ATMOSPHERE N65-23995
- VIABILITY OF ORGANISMS UNDER CONTROLLED
ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO
NATURAL CONDITIONS N65-23998
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS,
RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS
TECHNOLOGY, AND INSTRUMENTATION
BNWL-36 N65-33022
- ATMOSPHERIC COMPOSITION
MANNED SPACECRAFT OXYGEN REQUIREMENTS, CRYOGENIC
STORAGE, PRODUCTION AND TWO-GAS ATMOSPHERES A65-14381
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS
IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY
OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER A65-81287
- ATMOSPHERIC DENSITY
ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981
- ATMOSPHERIC ENTRY
ARTICULATING CENTRIFUGE MODEL FOR GENERATING G-
TIME PROFILES WITH VARIABLE ONSET-DWELL-DECAY
RATES
ASME PAPER 64-WA/HUF-7 A65-13854
- ATMOSPHERIC IMPURITY
AERIAL TRANSMISSION OF INFECTION WITH REFERENCE TO
GRAVITATIONAL FALLOUT AND ATMOSPHERIC DILUTION A65-19843
- ATMOSPHERIC IONIZATION
BIOLOGICAL EFFECTS OF ATMOSPHERIC IONS WITH
ATTENTION TO EXPERIMENTAL CONTROLS AND
INSTRUMENTATION A65-18432
- IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS
AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS
A65-80494
- INSTRUMENTATION AND EXPERIMENTAL CONTROLS NEEDED
TO STUDY PHYSIOLOGICAL EFFECTS OF ATMOSPHERIC IONS
- EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION,
RATE OF ION FORMATION, AND DISAPPEARANCE
CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION
OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066
- ATMOSPHERIC MOISTURE
S HUMIDITY
- ATMOSPHERIC PRESSURE
ALTITUDE DECOMPRESSION SICKNESS TREATED WITH
COMPRESSION TO 2-6 ATMOSPHERES ABSOLUTE,
CONSIDERING BUBBLE EMBOLUS HYPOTHESIS A65-14238
- CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263
- PHYSICAL WORK PERFORMANCE AS AFFECTED BY
ENVIRONMENTAL CONDITIONS A65-80321
- PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW
TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND
POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/162 N65-17083
- BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF
ANIMAL BLOOD AFTER LUNG REMOVAL N65-17782
- INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC
PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM
AFTER LUNG SURGERY N65-17783
- IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA
CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION,
AND VIBRATION N65-17809
- ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY
AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT
AIR TEMPERATURE OF MOUNTAINS N65-17819
- ATMOSPHERIC RADIATION
SA SKY RADIATION
- ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981
- ATMOSPHERIC TEMPERATURE
ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981
- ATMOSPHERIC TURBULENCE
VARIATION OF ATMOSPHERIC SEEING BLUR WITH DISTANCE
OF OBJECT TO OBSERVER A65-82224
- ATOMIC ENERGY
S NUCLEAR ENERGY
- ATOMIC EXPLOSION
S NUCLEAR EXPLOSION
- ATP
S ADENOSINE TRIPHOSPHATE /ATP/
- ATROPINE
AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF
EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION
OF NORMAL RHYTHM A65-80210
- ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651
- HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- ATTACK AIRCRAFT
INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT

SUBJECT INDEX

AUDITORY PERCEPTION

- TR-751-3 N65-15105
- ATTENTION**
- EXCITABILITY CYCLE OF HUMAN VISUAL CORTEX A65-80640
- INFLUENCE OF ATTENTION ON OCCIPITO-CORTICAL RESPONSES TO LIGHTFLASHES IN MAN A65-80777
- INFLUENCE OF ATTENTION AND SUPPRESSION ON FLICKER ELECTRORETINOGRAM AS RELATED TO FLICKERING RESPONSE OF OCCIPITAL ELECTROENCEPHALOGRAM A65-80781
- SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI A65-80870
- SUBLIMINAL DISCRIMINATION AND CONCEPT OF VIGILANCE A65-80996
- AWARENESS DURING FLIGHT AND SENSORY INPUT, EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO MENTAL PERFORMANCE AND FLIGHT SAFETY A65-81295
- EFFECT OF ATTENTION ON EVOKED RESPONSES IN CLASSICAL AUDITORY PATHWAY IN CATS A65-81706
- TIME ESTIMATION AS INDICATOR OF ATTENTION AND/OR AROUSAL IN VIEWING COMPLEX AND MEANINGFUL STIMULI A65-82345
- ATTENTION THEORY AND PARAMETER MEASUREMENTS OF HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY INFLUENCE ON REACTION TIME NASA-CR-194 N65-23170
- ATTENUATION**
- S ABSORPTION
- S ACOUSTIC ATTENUATION
- ATTITUDE**
- TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX DIFFERENCES RELATED TO DETAILS EXPRESSED IN AIRCRAFT DRAWINGS A65-80458
- ATTITUDE CONTROL**
- SA FLIGHT CONTROL
- SPACE VEHICLE MANUAL THREE-AXIS ATTITUDE CONTROL USING VECTOR RETICLE OR CONTROL ACTION DISPLAY A65-20953
- SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY NASA-TN-D-2710 N65-18214
- ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING UNITS NASA-CR-198 N65-20401
- ATTRITION**
- PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING A65-82128
- FLIGHT TRAINING PERSONNEL ATTRITION RATES BUMED-40 N65-17242
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING NSAM-932 N65-36226
- AUDIO EQUIPMENT**
- FEASIBILITY OF MODULAR DESIGN FOR AUDIOVISUAL AUTOINSTRUCTIONAL EQUIPMENT AMRL-TR-65-79 N65-30136
- AUDIOFREQUENCY**
- SA SOUND WAVE
- INTRA-AURAL REFLEX OF MIDDLE EAR TO AUDIOFREQUENCY SOUND WITH DEFINED AMPLITUDE GGC/EE/64-15 N65-12491
- AUDIOLOGY**
- SA DEAFNESS
- SA HEARING**
- AUDITORY THRESHOLD IN RECRUITS BEFORE AND AFTER FIRING WEAPONS AS RELATED TO USE OF EAR PROTECTORS A65-80172
- COMPARISON OF TWO METHODS FOR MEASURING AUDITORY ADAPTATION BY MEANS OF BEKESY AUDIOMETER A65-80199
- HEARING-LOSS TREND CURVES AND DAMAGE-RISK CRITERION IN DIESEL-ENGINE ROOM PERSONNEL A65-80882
- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE MODULATED TONES A65-80914
- SHIFTS IN AIR-CONDUCTION THRESHOLDS IN HUMANS PRODUCED BY PULSED AND CONTINUOUS CONTRALATERAL MASKING A65-81074
- NOISE USED TO ELIMINATE ONE EAR FROM MASKING EXPERIMENTS A65-81075
- PHONEMIC COMPLETION AND SOCIAL EVALUATION OF HEARING LOSS A65-81116
- HEARING LOSS AT 1000-2000 C.P.S. AS RELATED TO SPEECH INTELLIGIBILITY PREDICTION A65-81337
- INTERNATIONAL STANDARD REFERENCE ZERO FOR PURE-TONE AUDIOMETRY A65-81484
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN LINE OF DUTY A65-81809
- AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING AUDIOMETRY IN SELECTING FLYING PERSONNEL A65-81830
- HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE A65-81871
- BONE-CONDUCTED TONES MASKED BY AIR-CONDUCTED NOISE A65-82023
- RELIABILITY OF HIGH-FREQUENCY THRESHOLD MEASUREMENT A65-82296
- PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO IMPULSE NOISE A65-82297
- ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE NOISE A65-82311
- THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION REPT.-13 N65-27793
- AUDIOLOGICAL RESEARCH PROJECT PROGRESS REPORT - AUDITORY FUNCTION OF IMPAIRED HEARING AD-465819 N65-30534
- AUDITORY PERCEPTION**
- MINIMUM DETECTABLE CHANGE IN INTERAURAL TIME AND INTENSITY DIFFERENCE AS FUNCTION OF OVERALL INTENSITY FOR DICHOTIC CLICKS A65-21273
- AURAL HARMONICS EFFECT ON FREQUENCY DISCRIMINATION A65-28429
- PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE BACKGROUND A65-29976
- VIGILANCE FOR AUDITORY INTENSITY CHANGES AS FUNCTION OF PRELIMINARY FEEDBACK AND CONFIDENCE LEVEL A65-30099
- COMPARISON OF SELECTED FEATURES OF ELECTRIC RESPONSES RECORDED FROM UNITS IN AUDITORY NERVE AND COCHLEAR NUCLEUS A65-31724
- DOUBLE STIMULATION EFFECT - TEMPORARY INHIBITION OF RESPONSE WITH RESPECT TO REACTION TIME,

AUDITORY SENSATION AREA

SUBJECT INDEX

DICHOTIC LISTENING, AND STEREOSCOPIC PERCEPTION STUDIES A65-80098

EVOCKED RESPONSE LATENCY OF CAT AS FUNCTION OF STIMULUS RISE TIME IN AUDITORY CORTEX A65-80195

HIGH-AND LOW-LEVEL SOUND EXPOSURES AND RELATION TO AUDITORY FATIGUE AND ADAPTATION A65-80270

STIMULUS SET AND RESPONSE SET - ALTERNATION OF ATTENTION A65-80336

INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL AND AUDITORY PERCEPTUAL EFFICIENCY A65-80381

MEMORY FOR AURALLY AND VISUALLY PRESENTED MATERIAL AS FUNCTION OF PRESENTATION RATE A65-80519

BINAURAL INTERACTIONS OF THREE CLICKS A65-80526

PERCEPTION AND NEURAL REPRESENTATION OF SIMULTANEOUS DICHOTIC PURE TONE STIMULI IN CAT, GUINEA PIG, AND MONKEY A65-80787

PASSAGE OF AUDIBLE ULTRASONIC VIBRATIONS THROUGH HUMAN SKULL BONES A65-80802

IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI RELATED TO AGE A65-80864

AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS AUDITORY AND VISUAL STIMULATION A65-80865

SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI A65-80870

JUDGMENT OF DURATION OF TONES AS FUNCTION OF INTENSITY A65-81005

TEMPORAL EFFECTS IN SIMULTANEOUS MASKING BY WHITE NOISE BURSTS A65-81077

DELAYED AUDITORY FEEDBACK EFFECT ON MORSE CODE TRANSMISSION BY SKILLED OPERATORS A65-81167

LOUDNESS FOUND TO BE PROPORTIONAL TO VOLUME TIMES DENSITY A65-81168

RELATIONSHIP OF PURE TONES TO SPEECH RECEPTION THRESHOLD A65-81240

AUTOKINETIC MOTION AND SPACE LOCALIZATION IN RELATION TO AUDITORY PERCEPTION A65-81318

PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN DIFFERENT POSITIONS IN SPACE AS RELATED TO DIRECTION OF PERCEPTION A65-81377

SUSCEPTIBILITY TO DELAYED AUDITORY FEEDBACK WHILE SHADOWING MESSAGES A65-81408

LOUDNESS CHANGE OF PURE TONES WITH CONTRALATERAL NOISE STIMULATION A65-81428

DETECTION OF SIGNAL MASKED WITH TWO TONES IN RELATION TO FREQUENCY SEPARATION A65-81478

CORRELATION OF AUDITORY AND VISUAL AUTOKINETIC EFFECTS A65-81557

ELECTROMYOGRAPHIC AND MICROSWITCH MEASURES OF AUDITORY REACTION TIME COMPARED A65-81561

AFTEREFFECTS OF DELAYED AUDITORY FEEDBACK ON SPEECH. A65-81566

SOCIAL DIFFERENCES IN AUDITORY PERCEPTION A65-81569

INFLUENCES OF RESPIRATORY CYCLE ON SIMPLE REACTION TIME A65-81574

DISCRIMINATION OF AUDITORY INFORMATION AS RELATED TO AGE A65-81863

ADAPTATION WITH CONSTANT AND VARIABLE DELAY IN AUDITORY FEEDBACK. A65-82279

DICHOTIC LISTENING AND RECALL AS RELATED TO CEREBRAL DOMINANCE A65-82310

EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION OF LOCATION AFOSR-64-0938 N65-11157

AUDITORY FATIGUE PRODUCED BY HIGH INTENSITY ACOUSTIC IMPULSES REPT.-1158 N65-14366

NEURODYNAMICS OF HUMAN AUDITORY SYSTEM JPRS-28308 N65-14748

AUDITORY INFORMATION PROCESSING - SIGNAL DETECTABILITY THEORY APPLIED TO AUDITORY SENSORY RESPONSES NASA-CR-60441 N65-16816

EFFECT OF MENTAL TASKS ON AUDITORY FATIGUE AM-65-1 N65-18546

INTERSENSORY DISCRIMINATION OF SIGNAL DURATION USING VISUAL AND AUDITORY SIGNALS NASA-TM-X-51729 N65-21479

WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING AUDITORY PERCEPTION IN HUMANS ARL-TR-65-5 N65-26237

PERCEPTION OF AUDITORY PATTERNS AS FUNCTION OF INCIDENTAL VISUAL STIMULATION TR-21 N65-28173

AUDITORY PERCEPTION - ENERGY TRANSFORMATIONS WITHIN INNER EAR AFOSR-65-0040 N65-28205

AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS AND PRE-ADOLESCENT CHIMPANZEES NASA-CR-67297 N65-35104

AUDITORY SENSATION AREA

RESPONSES TO ACOUSTIC STIMULI FROM FREQUENCY-SELECTIVE SINGLE UNITS IN EIGHTH NERVE OF GREEN FROG A65-15773

VARIATIONS IN BINAURAL-MASKED THRESHOLD OF 500-CPS TONE MASKED BY RANDOM NOISE AS FUNCTION OF SIMULTANEOUS SHIFTS IN INTERAURAL AMPLITUDE RATIO AND TIME DELAY OF TONE A65-29975

TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING SLEEP AND WAKEFULNESS AND AFTER ABLATION OF AUDITORY CORTEX A65-80888

EFFECT OF ATTENTION ON EVOKED RESPONSES IN CLASSICAL AUDITORY PATHWAY IN CATS A65-81706

ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING LEARNING AND DIFFERENT STAGES OF SLEEP AND ALERTNESS AFOSR-64-0966 N65-13205

EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN N65-13648

HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER OF HUMAN TO DETERMINE THRESHOLD VALUE FOR LIFE-SUPPORT NOISE IN MANNED SPACECRAFT NASA-TT-F-9596 N65-36755

AUDITORY SIGNAL

SA PSYCHOACOUSTICS

BINARY PURE-TONE AUDITORY DISPLAYS EVALUATED

SUBJECT INDEX

AUDITORY STIMULUS

- A65-81125
AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING
AUDIOMETRY IN SELECTING FLYING PERSONNEL
- A65-81830
TIME PERSPECTIVE - TIME PERCEPTION RELATIONSHIP
- A65-81856
AUDITORY STIMULUS
SA NOISE
- AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING
EAR AS CAUSE OF INSTABILITY A65-10738
- MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON
SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED
CHOICE TASK A65-14150
- MENTAL TASK EFFECT ON AUDITORY FATIGUE, EXPOSING
SUBJECTS TO FATIGUE TONE UNDER CONDITIONS OF
MENTAL ARITHMETIC AND REVERIE A65-17837
- MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD
DETERMINATION AND REVERIE EFFECTS ON TEMPORARY
THRESHOLD SHIFT ON AUDITORY FATIGUE A65-25856
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS
SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF
SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT
ON CATS A65-30589
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO
TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL
RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN
ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND
CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR
NUCLEUS OF ANESTHETIZED CATS A65-32938
- ELECTROMYOGRAM OF LIMB AS INDICATOR OF RESPONSE TO
AUDITORY STIMULI A65-80196
- SOMAESTHETIC AND ACOUSTIC STIMULI EFFECT ON
THRESHOLD OF FUSION OF PAIRED LIGHT FLASHES IN
HUMAN SUBJECTS A65-80335
- LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO
VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS A65-80591
- LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET,
MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM A65-80631
- AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN
MAN A65-80639
- CHARACTER OF CONDITIONED REFLEXES TO COMBINED
ACOUSTIC AND VISUAL STIMULI IN DOGS A65-80699
- CHARACTERISTICS OF EVOKED POTENTIALS DURING
EXTINCTION OF ORIENTING RESPONSE IN DOGS A65-80700
- INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY
AUDITORY AND VISUAL STIMULI IN RABBITS A65-80703
- CHANGES IN CEREBRAL POTENTIALS EVOKED BY COMBINED
STIMULI OF TWO MODALITIES A65-80711
- INFLUENCE OF VISUAL AND AUDITORY STIMULI ON
ELECTROENCEPHALOGRAPH OF CAT AND MAN A65-80776
- PERCEPTION AND NEURAL REPRESENTATION OF
SIMULTANEOUS DICHOTIC PURE TONE STIMULI IN CAT,
GUINEA PIG, AND MONKEY A65-80787
- EXTRANEOUS STIMULATION EFFECT ON VISUAL PERCEPTION
OF VERTICALITY - FAILURE TO REPLICATE A65-80855
- SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY
AUDITORY STIMULUS A65-80986
- BINAURAL SUMMATION OF THERMAL NOISES OF EQUAL AND
UNEQUAL POWER IN EACH EAR A65-81104
- ELECTROENCEPHALOGRAPHIC RESPONSE TO VARIOUS PURE
TONE STIMULI A65-81239
- PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN
DIFFERENT POSITIONS IN SPACE AS RELATED TO
DIRECTION OF PERCEPTION A65-81377
- ACOUSTICALLY EVOKED RESPONSE TO CESSATION OF
STIMULUS A65-81416
- LOUDNESS CHANGE OF PURE TONES WITH CONTRALATERAL
NOISE STIMULATION A65-81428
- EFFECTS OF INDUCED MUSCLE TENSION AND AUDITORY
STIMULATION ON TACHISTOSCOPIC PERCEPTION A65-81567
- INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF
NEURONS OF OPTIC ZONE DURING ACTION OF SOUND
STIMULUS A65-81626
- SHORT-LATENCY HUMAN MUSCLE AND BRAIN EVOKED
RESPONSES TO CLICKS A65-81635
- EFFECTS OF AUDITORY AND OPTICAL STIMULI
DISCONTINUANCE ON ELECTROENCEPHALOGRAPH IN CATS. A65-81713
- TEMPORARY THRESHOLD SHIFT AFTER MONAURAL AND
BINAURAL EXPOSURE TO HIGH INTENSITY STIMULI A65-81742
- NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES,
GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN
MICE EXPOSED TO ACCELERATION STRESS A65-81948
- ACOUSTIC FACILITATION OF VISUAL DETECTION A65-82035
- SLOW CORTICAL RESPONSE EVOKED BY ACOUSTIC STIMULI A65-82134
- STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR
NUCLEUS IN CATS A65-82135
- PURSUIT ROTOR PERFORMANCE AS INFLUENCED BY DELAY
AND MODE OF PRESENTATION OF EXTRA CUES. A65-82221
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION A65-82268
- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION A65-82269
- STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND
REACTION TIME IN DETERMINING AUDITORY NEURAL
LESIONS A65-82270
- JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND
WHITE NOISE AS AFFECTED BY REPETITION RATE A65-82295
- RELIABILITY OF HIGH-FREQUENCY THRESHOLD
MEASUREMENT A65-82296
- PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS
ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO
IMPULSE NOISE A65-82297
- COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING
SOUND STIMULATION AND HYPOTHERMIA A65-82306

AUDITORY TASK

SUBJECT INDEX

- COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE A65-82308
- STIMULUS PRESENTATION AND METHOD OF SCORING IN SHORT TERM MEMORY EXPERIMENTS A65-82349
- CORRELATION BETWEEN STIMULUS AND RESPONSE SEQUENCES DERIVED FROM OBSERVER PERFORMANCE AND FEEDBACK INFORMATION - SIGNAL TO NOISE RATIO NASA-TM-X-51737 N65-22198
- VARIATION IN VISUAL AND AUDITORY STIMULATION EFFECTS ON GASTROINTESTINAL MOTILITY TR-12 N65-22946
- MODEL OF PERIPHERAL AUDITORY SYSTEM - CASE STUDY IN NEURAL MODELING NASA-CR-58094 N65-35219
- AUDITORY TASK**
- SEQUENTIAL ERROR IN TIME-SHARING MONITORING TASK A65-80707
- SINGLE CHANNEL HYPOTHESIS A65-80850
- IRRELEVANT INFORMATION - EFFECT ON LEARNING COMPLEX AUDITORY DISCRIMINATION TASK A65-80852
- VISUAL FEEDBACK EFFECT ON NOISE-SIGNAL DETECTION IN AUDITORY DISCRIMINATION TASK A65-80881
- VIGILANCE PERFORMANCE WITH A QUALITATIVE SHIFT IN REINFORCERS DURING AUDITORY TASK A65-81617
- CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE, WARNING LIGHT MONITORING, AND PROBABILITY MONITORING TASKS AS FUNCTION OF WORKLOAD AMRL-TR-65-22 N65-27092
- AUTOKINESIS**
- ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT A65-80520
- ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL FIELD SIZE A65-80570
- AUTOKINETIC MOTION AND SPACE LOCALIZATION IN RELATION TO AUDITORY PERCEPTION A65-81318
- POSTURAL AUTOKINETIC EFFECT RELATED TO SUGGESTION AND SUSCEPTIBILITY TO MOTION SICKNESS A65-81448
- CORRELATION OF AUDITORY AND VISUAL AUTOKINETIC EFFECTS A65-81557
- INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND EXTENT OF AUTOKINETIC MOVEMENT A65-81750
- RELATION BETWEEN SCORE ON STIMULUS VARIATION SCORE AND AUTOKINETIC MOVEMENT A65-81935
- TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION ACCURACY IN ENVIRONMENT DEVOID OF DETAIL NAVTRADEVCE-1H-13 N65-10260
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL LABYRINTHINE DEFECTS - AEROSPACE MEDICINE NASA-CR-67520 N65-36432
- AUTOMATIC CONTROL**
- SA CYBERNETICS
- COMPARISON OF LIMITS OF MAN AND AUTOMATIC SYSTEMS IN PERFORMING FUNCTIONS IN PHOTOGRAMMETRY A65-12932
- UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION SYSTEMS SAE PAPER 650811 A65-34697
- AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS A65-80942
- AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN REGENERATION SYSTEM FTD-TT-64-247/1&2 N65-18227
- COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING - PILOT FACTORS PROGRAM REPT.-1-64 N65-21258
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE - AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL, CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS, AND BEHAVIORAL ORGANIZATION NASA-CR-219 N65-23813
- PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY AUTOMATIC CONTROL PROCESSES N65-24890
- CYBERNETICS FOR CONTROL OF PHYSICAL TRAINING JPRS-30754 N65-26966
- AUTOMATIC DATA PROCESSING SYSTEM**
- NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC SYSTEM, NOTING FEASIBILITY OF OPERATION A65-16425
- AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO DEVELOP DIGITAL TECHNIQUES FOR PROCESSING, DISPLAYING, AND ANALYZING DATA LMSC-6-65-65-15 N65-24710
- DATA ACQUISITION AND AUTOMATIC DATA PROCESSING SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC REFERENCE TAPE LIBRARY N65-28768
- BIOLOGICAL MEASUREMENTS IN SPACE - AUTOMATIC DEVICE - MONITORING DIGITAL COMPUTER - INFORMATION MEASURING SYSTEMS - SPACE BIOLOGY JPRS-31679 N65-31522
- AUTOMATIC FREQUENCY CONTROL**
- AUTOMATIC FREQUENCY ANALYSIS AND MEASUREMENT OF BIOELECTRIC POTENTIALS N65-16730
- AUTOMATION**
- PRODUCTION AUTOMATION, INDUSTRIAL ELECTRONICS, AND CYBERNETICS FTD-MT-64-188 N65-11099
- AUTOMATION PROBLEMS IN BIOPHYSICS JPRS-27785 N65-12785
- FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL TRAINING, AND USE OF CDC 160-A COMPUTER TO TEACH PSYCHOMOTOR TASK NAVTRADEVCE-1517-1 N65-31206
- INFORMATION SYSTEMS FOR AUTOMATED ON-JOB TRAINING ESD-TDR-64-234, VOL. III N65-31242
- PRINCIPLES FOR DESIGN AND USE OF INFORMATION SYSTEMS FOR AUTOMATED ON-THE JOB TRAINING ESD-TDR-64-234, VOL. V, FINAL N65-31249
- AUTOMATON**
- SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY A65-23787
- REGULATION OF CELLULAR METABOLISM, DETERMINISM IN BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND LIFE N65-26222
- AUTONOMIC NERVOUS SYSTEM**
- SA CENTRAL NERVOUS SYSTEM
- NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES A65-34985
- ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF

SUBJECT INDEX

BACTERIA

HUMAN RESPIRATORY SYSTEM A65-34987

RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF
RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING
INSPIRATION AND EXPIRATION A65-80012ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN
MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL
ABSORPTION PROCESS AS RELATED TO DRUG EFFECT A65-80049AUTONOMIC CORRELATES OF ELECTRICAL
EXCITABILITY OF EYE A65-80250ELECTRODERMOGRAM DURING SLEEP RELATED TO
APPEARANCE OF RAPID EYE MOVEMENTS A65-80571CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE
TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE
TENSION AND HYDROGEN ION CONCENTRATION A65-80606RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT
CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF
CARBON DIOXIDE PRESSURE A65-80607RESPIRATION AT CONSTANT LOW ARTERIAL PRESSURE AND
EFFECT OF STEPWISE CHANGES OF ARTERIAL PRESSURE
BEFORE AND AFTER CUTTING OF SINUS NERVES IN CAT A65-80608PHYSIOLOGY OF AUTONOMIC NERVOUS SYSTEM AND
CEREBELLUM A65-80646EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL
FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM
IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651AUTONOMIC REACTIONS OBSERVED IN CATS DURING
VERONIQUE ROCKET FLIGHT A65-80916RESPIRATORY ARRHYTHMIA AND RESPIRATORY
ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND
HYPOXIA IN DOGS A65-81277THERMOREGULATION IN DOG DURING INTERNAL COOLING
AFTER SECTION OR COLD BLOCKADE OF VAGAL NERVES A65-81351AUTONOMIC NERVOUS INFLUENCE ON HEART OF
HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG,
ERINACEUS EUROPEUS A65-81463EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL,
CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING
CYCLE A65-81467CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND
EXERCISE HABITS - POTENTIAL CARDIAC RISK AND
SCREENING TEST A65-81599NOISE EFFECT ON HUMAN PARTICULARLY CARDIOVASCULAR
FUNCTION AND NERVOUS SYSTEM A65-81614CONSISTENCY AND TEST - RETEST RELIABILITY OF
SPONTANEOUS AUTONOMIC NERVOUS SYSTEM ACTIVITY
/ELECTRODERMAL RESPONSE/ AND EYE MOVEMENT A65-81658EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON
POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES
EVOKED BY PHYSICAL EXHAUSTION A65-81923VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL
INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF
AUTONOMIC NERVES AND SPINAL CORD N65-13677AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTOMATOLOGY,
AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT -
AUTONOMIC NERVOUS SYSTEM MECHANISMS

MR-63-13

N65-35295

AUTOPSY

AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH
ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY
ARTERIES AND RENAL GLOMERULI A65-80558IDENTIFICATION PROBLEMS OF MASS CASUALTIES IN
COMMERCIAL AIRCRAFT ACCIDENT INVESTIGATION A65-81518PROBLEMS OF IDENTIFICATION OF BODIES DURING
AUTOPSY OF AIRCRAFT ACCIDENTS A65-81586

AUTORADIOGRAPHY

SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE A65-80111PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN
MOUSE A65-80114

AVIATION

S AERONAUTICS
S CIVIL AVIATION
S COMMERCIAL AVIATION

AZO COMPOUND

EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON
IMPROVING RAPIDITY AND REGULARITY OF MOTOR
RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN
AVIATION PERSONNEL A65-32793

A4D AIRCRAFT

S A-4 AIRCRAFT

B

BACILLUS

CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
RIBONUCLEIC ACID IN BACILLUS
ISS-64/48 N65-23306GROWTH RESPONSE OF BACILLUS CEREUS AND SUBTILIS
CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT
WITH FREEZE CYCLES OF DIFFERENT DURATIONS
NASA-CR-62829 N65-24294INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEAROTHERMOPHILUS
ISS-64/47 N65-29209EFFECTS OF DIFFERENT FREEZE CYCLES ON BACILLUS
CEREUS AND BACILLUS SUBTILIS IN SIMULATED
MARTIAN ENVIRONMENT
NASA-CR-64577 N65-32032

BACK INJURY

BACKACHE IN AIRPLANE AND HELICOPTER FLYING
PERSONNEL RESULTING FROM ACCIDENTS, INCREASING
AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY
A65-81818

BACKGROUND NOISE

PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING
OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE
BACKGROUND A65-29976

BACTERIA

SA ACTINOMYCETES
SA BACILLUS
SA CLOSTRIDIUM
SA HYDROGENOMONAS
SA SALMONELLA
SA SERRATIA
SA SPORE
SA VIRUSTERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON
SPECIMENS OF EUPHORBIA XYLOPHYLLIOIDES IN AMMONIA
METHANE HYDROGEN-RICH ATMOSPHERES

A65-23486

- INERT MONO- AND POLYDISPERSED AEROSOLS TO TEST
EFFICIENCY OF AIRBORNE BACTERIA SAMPLERS
A65-30140
- MICROBIOLOGICAL ANALYSIS OF IRON AND STONE
METEORITES, NOTING ABILITY OF BACTERIA TO
PENETRATE INTO CENTRAL REGIONS
A65-30687
- AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC
SAMPLERS AND THEIR RELATIVE EFFICIENCIES
A65-32795
- BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE
FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND
SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC
BACTERIA
A65-35819
- INHIBITION OF BACTERIAL, STAPHYLOCOCCUS AUREUS,
SARICINA LUTEA, AND ESCHERICHIA COLI, GROWTH
IN HOMOGENEOUS MAGNETIC FIELDS
A65-80429
- GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN
A65-80725
- GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754
- BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES,
ALGAE, AND YEAST
A65-80878
- NATURE AND ROLE OF BACTERIAL CONTAMINANTS IN MASS
CULTURES OF THERMOPHILIC CHLORELLA PYRENOIDOSA
A65-81286
- COMPARISON OF AIRBORNE BACTERIA SAMPLERS BY MEANS
OF INERT MONO- AND POLYDISPERSED AEROSOLS
A65-81444
- PULMONARY RESISTANCE TO INFECTION IN MALE AND
FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND
ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA,
PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND
S. AUREUS
A65-81598
- ANIMAL STUDIES ON PURIFICATION PROCEDURES TO
ELIMINATE BACTERIAL CONTAMINATION
AD-444390
N65-10012
- BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM
COMPOUNDS
N65-10115
- CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF
METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF
METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN
PETROLEUM, POWER GENERATION, AND PRODUCTION
BM-1C-8246
N65-13393
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682
- BACTERIAL DISSEMINATION, REDUCTION OF
CONTAMINATION ON SURFACES, AND GERMICIDAL
ACTIVITY OF ETHYLENE OXIDE
NASA-CR-57148
N65-18915
- HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND
METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE
TRACT
NASA-CR-57812
N65-21309
- HUMAN FECAL BACTERIA ISOLATION AND METABOLIC
STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
NASA-CR-62108
N65-21390
- VIABILITY OF DIPHTHERIA BACTERIA IN WATER AND
SALIVA - EFFECTS OF EVAPORATION, PARTICLE SIZE,
AND TEMPERATURE
JPRS-29840
N65-22121
- BIOLOGICAL SIGNIFICANCE OF BACTERIAL COUNTS IN
AQUATIC ENVIRONMENTS
N65-23991
- RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE
ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT
N65-23997
- GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
- DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA
N65-25030
- SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS
JPRS-30503
N65-26034
- PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203
N65-28817
- BACTERIA DISSEMINATION REDUCTION, ETHYLENE OXIDE
GERMICIDAL ACTIVITY, AND BACTERIA CONTAMINATION
REDUCTION ON SURFACES
NASA-CR-63895
N65-29171
- GROWTH OF ALGAE IN SEWAGE WATER - SOIL BACTERIA
GROWTH STIMULATION BY BLUE-GREEN ALGAE
FTD-TT-65-66/182
N65-31421
- GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL
MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE
N65-31422
- ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM
OF GREEN BACTERIA, ION CONCENTRATION RELATING TO
SMALL MEMBRANES, ELECTRICAL MODEL OF NERVE
FIBER, AND PARAMECIUM MOVEMENT
JPRS-31282
N65-32658
- DIFFERENTIAL SPECTRUM OF GREEN BACTERIA
CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF
BACTERIOVIRIDINE CONVERSIONS DURING
PHOTOSYNTHESIS
N65-32660
- D NA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY
OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA
NASA-TT-F-316
N65-32973
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC
BACTERIA ESCHERICHIA COLI K-12 - PHAGE
PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE
TO IONIZING RADIATION
N65-34943
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS
N65-34944
- BACTERIOLOGY**
- WOLF TRAP DEVICE DETERMINING GROWTH OF
MICROORGANISMS BY MEASURING INTENSITY OF LIGHT
SCATTERED BY ORGANISMS
A65-10731
- HYDROGENASE ENZYME PROPERTY STUDY IN ORDER TO
ELUCIDATE PROCESS OF SULFATE REDUCTION IN COLEMAN
ORGANISM
A65-17519
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO
MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT
CHEMICALS SELECTION AND BACTERIA CONTROL IN
PRODUCT
ASME PAPER 65-AV-24
A65-22959
- PORPHYRIN PIGMENTS FORMED BY GREEN SULFUR BACTERIA
DETERMINED FOR INVESTIGATING STRUCTURE AND TRACIS
OF BACTERIOVIRIDIN BIOSYNTHESIS
A65-27775
- EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGRAPHY WITH CARBON 14
A65-31725
- REPEATED FREEZING AND THAWING OF CULTURES OF
ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND
FROZEN WITHOUT CARBON SOURCE
A65-32937
- VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS
A65-35818
- BACTERIOLOGICAL MEASUREMENTS IN TWO-MAN SPACECRAFT
CABIN SIMULATOR
N65-14455
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES
FROM HEAT EXCHANGES OF PRESSURIZED SUITS
SAM-TDR-64-66
N65-16299

SUBJECT INDEX

BED REST

- DRY BACTERIAL SPORE RADIATION SENSITIVITY STUDY
FOR DETERMINATION OF INTRACELLULAR CHEMICAL
REACTIONS DURING IRRADIATION N65-23456
- BACTERIOPHAGE**
MOLECULAR BIOLOGY - CHEMICAL MUTAGENESIS IN
BACTERIOPHAGE AND GENETIC REGULATION OF PROTEIN
BIOSYNTHESIS IN MICROORGANISMS
JPRS-28187 N65-14164
- USE OF FREE PHAGE AND SYSTEM PHAGE-BACTERIUM IN
STUDYING BIOLOGICAL EFFECT OF IONIZING RADIATION
JPRS-29606 N65-21570
- X-RAY EFFECT ON INTRACELLULAR BACTERIOPHAGE
PRODUCTIVITY N65-23454
- SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION
OF RADIATION EFFECTS ON BACTERIOPHAGES N65-24616
- BAG**
S CONTAINER
- BALANCE**
SA ACID-BASE BALANCE
SA HEAT BALANCE
SA WATER BALANCE
- BALANCE AND HEARING INTERPRETED IN VIEW OF ANATOMY
OF LABYRINTH A65-82138
- ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- BALLISTIC MISSILE**
PSYCHOLOGICAL RESPONSE PATTERNS, STRESS
RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO
PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE
SUBMARINE
REPT.-416 N65-18876
- BALLISTOCARDIOGRAM**
BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED
SUBJECTS AT REST AND DURING EXERCISE A65-80455
- MODEL APERIODIC BALLISTOCARDIOGRAPH AND
DESCRIPTION OF APERIODIC BALLISTOCARDIOGRAM OF
HEALTHY INDIVIDUAL A65-81290
- OPERATION OF MATHEMATICAL MODEL OF
BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
DATA PROCESSING SYSTEM
NSAM-915 N65-36249
- BALLISTOCARDIOGRAPHY**
BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION A65-80205
- ULTRALOW FREQUENCY DISPLACEMENT INVESTIGATION OF
BALLISTOCARDIOGRAPHY N65-13827
- DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY N65-25672
- ULTRASENSITIVE MOMENTUM TRANSDUCER USED AS
BALLISTOCARDIOGRAPH FOR MEASURING HEART BEAT
OF AVIAN EMBRYOS N65-25972
- BIBLIOGRAPHY ON BALLISTOCARDIOGRAPHY
NASA-SP-7021 N65-35520
- BALLOON FLIGHT**
SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
AND X-RAY IRRADIATION A65-81232
- LOW LEVEL BALLOON PILOT TRAINING AND QUALIFICATION
FLIGHTS
- REPT.-1282-R N65-15709
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE
EXISTENCE AND IDENTIFICATION OF VIABLE
MICROORGANISMS AT HIGH ALTITUDES N65-23999
- BAND PASS FILTER**
COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS A65-24193
- BARANY CHAIR**
EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION
ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAPH A65-81353
- MODIFICATIONS OF BARANY APPARATUS AND TECHNIQUE
FOR EVOKING OPTOKINETIC NYSTAGMUS A65-81612
- BARANY CHAIR TEST OF LABYRINTH FUNCTION AS
CRITERION FOR PILOT SELECTION A65-81808
- BAROMETRIC PRESSURE**
S ATMOSPHERIC PRESSURE
- BARORECEPTOR**
ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS
IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS A65-82274
- BAROTRAUMA**
BAROSCOPIC TRAUMA OF EAR WITH REFERENCE TO
MECHANISM, CLINICAL SYMPTOMS AND TREATMENT A65-21241
- SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE
AND BAROTRAUMA EXPOSURE A65-82371
- BARREL**
S CONTAINER
- BAT**
SOME ASPECTS OF WATER BALANCE IN HIBERNATING BAT,
MYOTIS LUCIFUGUS. A65-81464
- BAYESIAN STATISTICS**
BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE
SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT
CONTROL
AMRL-TR-64-95 N65-12132
- INFLUENCE OF EXPERIENCE AND INPUT INFORMATION
FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN
SIMULATED THREAT-DIAGNOSIS SYSTEM
AMRL-TR-65-25 N65-27188
- BEAM**
S PARTICLE BEAM
S PROTON BEAM
S RADAR BEAM
- BED REST**
PROLONGED BED REST EFFECT ON TOLERANCE OF
TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART
BEATS AND VISION A65-16555
- PROLONGED BED REST USED TO SIMULATE PHYSIOLOGICAL
EFFECTS OF PROLONGED SPACE FLIGHT FOR DETERMINING
DECONDITIONING REQUIREMENTS
AIAA PAPER 65-281 A65-22169
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED
REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- TOLERANCE TO TRANSVERSE AND HEADWARD
ACCELERATION AFTER PROLONGED BED REST A65-80379
- PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE A65-81294
- DIURNAL VARIATIONS IN ELECTROCARDIOGRAM OF MAN ON
BED REST WHILE FASTING A65-82213

ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE
WITH CIRCULATORY DISTURBANCES INFLUENCED BY
BEDREST AND EXERCISE A65-82214

PULMONARY FUNCTION IN SITTING OR HORIZONTAL
POSITION DURING BED REST A65-82312

PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL
INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS
BED REST AND PHYSICAL EXERCISE A65-82367

STATUS OF ANTICOAGULATING MECHANISMS UNDER
CONDITIONS OF PROLONGED BED REST N65-13770

LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST NASA-CR-171 N65-17876

PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM
IN HEALTHY MALE HUMANS N65-18377

PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN NASA-CR-172 N65-18500

COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING NASA-CR-174 N65-18501

VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502

PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587

BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST NASA-CR-173 N65-20471

EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473

BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE NASA-CR-182 N65-20474

EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159

BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738

INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL
INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND
EXERCISE ON CARDIOVASCULAR RESPONSES N65-28763

COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED
REST ON CARDIAC DYNAMICS AND DISCUSSION OF
ORTHOSTATIC HYPOTENSION N65-28769

SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373

PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820

EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT NASA-CR-175 N65-33542

BEHAVIOR

SA CONDITIONED RESPONSE
SA GROUP BEHAVIOR
SA HIBERNATION
SA HUMAN BEHAVIOR
SA LEARNING

SA TRAINING

AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION A65-80055

BEHAVIORAL BIOPHYSICS - ELECTROMAGNETIC RADIATION
AND RELATION TO BEHAVIOR OF ORGANISMS A65-81206

CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER
CONFINEMENT A65-82097

AVOIDANCE RESPONSE TO VARIOUS HYPOXIC ATMOSPHERES
AND REVERSAL BEHAVIOR IN WHITE MICE A65-82209

BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS
EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE
AMRL-TDR-64-72 N65-12045

COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL
CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF
BEHAVIOR NASA-CR-53475 N65-15373

OPERANT CONDITIONING APPARATUS FOR ANIMAL BEHAVIOR
STUDY N65-16614

BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE
LABORATORY ARL-TR-64-17 N65-17750

APPLICATION OF BEHAVIORAL SCIENCES TO RESEARCH
MANAGEMENT IMU-3580 N65-18294

EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON
CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS
N65-22304

PROCEDURAL CONSTRAINT AND TASK PERFORMANCE -
ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING
ESD-TR-64-663 N65-22466

BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR
COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL
NASA-CR-62606 N65-23283

HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF
PERSONNEL BEHAVIOR UNDER FIELD WORKING
CONDITIONS - CONTROL SURVEILLANCE SYSTEM
ID0-17074 N65-25435

SPECIFIC CHARACTER OF BIOLOGICAL STRUCTURES
INCLUDING SYSTEM CHANGES, INTERRELATIONSHIPS,
BEHAVIOR, AND DEVELOPMENT JPRS-30737 N65-27025

STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764

COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS
ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE
PROGRAMS WITH ANIMALS N65-28770

CONCEPTS AND INDICATORS IN STUDIES OF BEHAVIOR
UNDER STRESS - LOGIC AD-610808 N65-28803

EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT
PARACHUTISTS DURING TRAINING FTD-TT-65-437/1 N65-29160

BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN
SEQUENTIAL TRANSPORT OF ELECTRONS DURING
PHOTOSYNTHESIS N65-32659

EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF
PARAMECIUM CAUDATUM N65-32664

VARIATIONAL PRINCIPLES IN BEHAVIOR OF LIVE
ORGANISMS N65-34752

BENZENE POISONING

SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY
MEN EXPOSED TO BENZENE VAPOR A65-80611

SUBJECT INDEX

BIBLIOGRAPHY

- GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993 N65-13955
- ADRENAL CORTEX FUNCTION IN SUBJECTS WITH BENZENE POISONING
A65-82195 N65-15308
- BERYLLIUM
INDUSTRIAL TOXICOLOGY - VANADIUM SMELTING, BERYLLIUM LEVEL IN BIOLOGICAL MEDIA, AND CONCENTRATIONS OF TOXIC SUBSTANCE IN AIR
JPRS-27282 N65-10034
- BETA RADIATION
MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY TRANSFER
A65-80162 N65-17879
- ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY IRRADIATION IN MAN
A65-80167 N65-19038
- IONIZING EFFECT OF BETA PARTICLES ON RATE OF GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON
A65-82242 N65-19271
- EVALUATIONS OF PLASTIC BADGES CONTAINING BETA, GAMMA, AND NUCLEAR TRACK FILM FOR USE IN PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333
- CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES AND IN ATMOSPHERE
N65-26392
- BETA RADIATION PENETRATION DETERMINATION OF STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS THICKNESSES
REPT.-155 N65-31074
- BIOLOGICAL EFFECTS OF SMALL RADIOACTIVE PARTICLES FROM ATMOSPHERIC DEBRIS
LA-3365-HS N65-32357
- BIBLIOGRAPHY
PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS
A65-80246 N65-21226
- PERCEPTION BIBLIOGRAPHY- SELECTION OF 74 ITEMS FROM PSYCHOLOGICAL INDEX, NO. 13, 1906
A65-80567 N65-21424
- BIOLOGICAL RHYTHMS AND CYCLES IN ANIMAL ORGANISMS - A BIBLIOGRAPHY
A65-80746 N65-21735
- PERCEPTION BIBLIOGRAPHY SELECTED FROM PSYCHOLOGICAL INDEX, NO. 14, 1907
A65-81644 N65-22098
- LIST OF REFERENCES ON PERCEPTION FROM PSYCHOLOGICAL INDEX, NO. 15, 1908.
A65-81660 N65-22386
- SELECTION OF 116 ITEMS ON PERCEPTION FROM PSYCHOLOGICAL INDEX 1909
A65-82342 N65-22614
- MOTOR SKILLS BIBLIOGRAPHY
A65-82344 N65-22615
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/04/ N65-10228
- MANUAL CONTROL METHODOLOGY - STUDY WITH ANNOTATED BIBLIOGRAPHY
NASA-CR-125 N65-11019
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/01/ N65-11057
- ANNOTATED BIBLIOGRAPHY - HUMAN SCIENCES IN INDUSTRY
N65-13117
- AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED BIBLIOGRAPHY
NASA-SP-7011/05/ N65-13829
- HUMAN ENGINEERING - ANNOTATED BIBLIOGRAPHY
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING, NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE
FAA-AM-64-16 N65-15308
- HUMAN FACTOR ENGINEERING - BIBLIOGRAPHY
RH-3398-H N65-15537
- ANNOTATED BIBLIOGRAPHY ON EXTRATERRESTRIAL LIFE
NASA-SP-7015, PT. I N65-16598
- AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY
NASA-SP-7011/06/ N65-17879
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/08/ N65-19038
- BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/07/ N65-19271
- HUMAN ENGINEERING IN INDUSTRY - ANNOTATED BIBLIOGRAPHY
N65-19805
- BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE, ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000 N65-19834
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE
AM-64-20 N65-20372
- EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY
RH-3398-J N65-20726
- ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION ABSORPTION ON ANIMALS, FLIGHT MEDICINE, PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN PATHOLOGY
N65-21202
- MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE ON MANNED SPACE FLIGHT TECHNOLOGY
NASA-CR-199 N65-21226
- AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED BIBLIOGRAPHY FOR 1962 AND 1963
NASA-CR-62127 N65-21424
- BIBLIOGRAPHY ON AVIATION MEDICINE FROM BEGINNING TO YEAR 1950
N65-21735
- ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN BIOLOGICAL AND MEDICAL RESEARCH
TID-3580 N65-22098
- BIBLIOGRAPHY OF CETACEA LITERATURE
NAVWEPS-8645 N65-22386
- AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/09/ N65-22614
- AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/10/ N65-22615
- BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING TISSUES AND ORGANISMS
AED-C-04-16 N65-22844
- BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE MEDICINE AND BIOASTRONAUTICS PUBLISHED IN U.S.S.R., 1962-1964
NASA-TT-F-270 N65-22968
- BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON METABOLISM OF WILD SPECIES OF PLANTS AND ANIMALS
TID-3910, SUPPL. 3 N65-23596
- SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS - INSTRUMENTATION, NASAL CAVITY STRUCTURES, ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964 N65-23850

- ANNOTATED BIBLIOGRAPHY ON PHYSICAL AND CHEMICAL METHODS FOR REMOVAL OF RADIOACTIVE CONTAMINATION
TID-3535, SUPPL. 1 N65-24262
- ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING PSYCHOLOGY
NASA-TT-F-312 N65-24370
- ANNOTATED BIBLIOGRAPHY ON TECHNIQUES AND INSTRUMENTS FOR RADIOACTIVE ISOTOPES
TID-3512, SUPPL. 1 N65-25023
- BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS
NASA-CR-63145 N65-25270
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE TRANSLATIONS
AM-65-17 N65-26955
- COMPILATION OF ABSTRACTS ON SPACE MEDICINE AND BIOLOGY, SPACE PHYSIOLOGY, AND SPACE VEHICLE ECOLOGY - LIFE SUPPORT SCIENCES
ATD-P-64-66 N65-27748
- VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED BIBLIOGRAPHY ON EJECTION-RELATED INJURIES
TI-65-041 N65-28352
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN
NASA-SP-7011/11/ N65-29648
- BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/13/ N65-30951
- AEROSOLS, BIOLOGICAL PATHOGENS, CHEMICAL SUBSTANCES - BIBLIOGRAPHY OF SOVIET OPEN LITERATURE PRIOR TO 31 DECEMBER 1962
ATD-B-65-43 N65-32709
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/14/ N65-33830
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF MICROWAVES
ATD-P-65-68 N65-34204
- BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND MEDICAL RESEARCH
BNWL-115 N65-34703
- BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343
- ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND ENGINEERING
NASA-CR-67336 N65-35409
- BIBLIOGRAPHY ON BALLISTOCARDIOGRAPHY
NASA-SP-7021 N65-35520
- AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY WITH INDEXES
NASA-SP-7011/15/ N65-36894
- BICARBONATE**
DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER CURVE A65-81902
- BILIRUBIN**
2-MERCAPTOBENZOTHIAZOL EFFECT ON MOUSE AND BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION A65-80824
- UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC AND OXYGENATED CONDITIONS A65-81415
- BINAURAL HEARING**
VARIATIONS IN BINAURAL-MASKED THRESHOLD OF 500-CPS
- TONE MASKED BY RANDOM NOISE AS FUNCTION OF SIMULTANEOUS SHIFTS IN INTERAURAL AMPLITUDE RATIO AND TIME DELAY OF TONE A65-29975
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT ON CATS A65-30589
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- BINAURAL SUMMATION OF THERMAL NOISES OF EQUAL AND UNEQUAL POWER IN EACH EAR A65-81104
- TIME INTENSITY RELATIONS IN BINAURAL UNMASKING-INTERAURAL AMPLITUDE, THEORETICAL PREDICTIONS AND LATERALIZATION A65-81741
- SPEECH DISCRIMINATION IN NOISE IMPROVED BY BINAURAL HEARING A65-82133
- TWO INVESTIGATIONS IN BINAURAL INTERACTIONS CONCERNED WITH DETECTABILITY AS FUNCTION OF INTERAURAL INTENSITY DIFFERENCES
TRACOR-65-181-U N65-28194
- BINOCULAR RIVALRY**
BINOCULAR RIVALRY AND STEREOPSIS EXPLAINED ON BASIS OF BINOCULAR CYCLOPEAN FIELD A65-80245
- RETINAL LOCUS IN TACHISTOSCOPIC BINOCULAR COLOR RIVALRY A65-80254
- TEMPORAL PARAMETERS OF BINOCULAR RIVALRY A65-80406
- BINOCULAR RIVALRY RATE AS FUNCTION OF PHYSIOLOGICAL AROUSAL AND VERBAL INTELLIGENCE A65-80566
- BINOCULAR BRIGHTNESS AVERAGING AND CONTOUR INFORMATION A65-80861
- BINOCULAR RIVALRY AND CONTRAST AT CONTOURS A65-82083
- NATURE OF EFFECTIVE BINOCULAR DISPARITIES FOR DEPTH PERCEPTION A65-82258
- BINOCULAR VISION**
TRANSIENT WEIGHTLESSNESS EFFECTS ON VISUAL ACUITY AND BINOCULAR DEPTH PERCEPTION IN HUMANS A65-22908
- DESTRUCTION OF STEREOPSIS - THREE THEORIES OF STEREOPSIS A65-80025
- BINOCULAR RIVALRY AND STEREOPSIS EXPLAINED ON BASIS OF BINOCULAR CYCLOPEAN FIELD A65-80245
- DEPTH DISCRIMINATION FOR INTERMITTENT STIMULI VIEWED BINOCULARLY MONOCULARLY AND WITH ALTERNATING EYES A65-80249
- NEUROPSYCHOLOGICAL EXPLANATION OF UNITY OF BINOCULAR VISION A65-80389
- BINOCULAR FUSION NOT AFFECTED BY OBSERVER INTERPRETATION OF STIMULUS A65-80686
- BINOCULAR MASKING INDUCED BY MOVING OBJECT IN PART OF EITHER OF TWO BINOCULAR FIELDS A65-81407
- PHASE DIFFERENCE FUNCTION IN BINOCULAR CRITICAL FLICKER FREQUENCY A65-81411
- MORPHOLOGICAL BASIS AND PHYSIOLOGY OF BINOCULAR VISION A65-81421
- SIZE CONSTANCY WITH BINOCULAR AND MONOCULAR VIEWING. A65-82175

SUBJECT INDEX

BIOASTRONAUTICS

- NATURE OF EFFECTIVE BINOCULAR DISPARITIES FOR DEPTH PERCEPTION A65-82258
- EFFECT OF VERTICAL ACCOMMODATION AND MOIRE EFFECT IN BINOCULAR VISION A65-82266
- DEPTH PERCEPTION INFLUENCED BY RELATIVE HEIGHT ON PICTURE PLANE A65-82338
- PERFORMANCE TIMES ON SIMPLE REMOTE HANDLING TASK UNDER DIRECT BINOCULAR AND MONOCULAR VIEWING CONDITIONS AMRL-TDR-64-68 N65-13993
- FUNCTIONAL RELATIONSHIP BETWEEN CRITICAL FLICKER FREQUENCY OF TWO IDENTICAL INTERMITTENT TARGETS, BINOCULARLY SUPERIMPOSED, AND PHASE DIFFERENCE BETWEEN TARGETS N65-27217
- BIOASTRONAUTICS**
SA AEROSPACE MEDICINE
- TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963 A65-10483
- BIOASTRONAUTICS AND AEROSPACE MEDICINE RESEARCH APPLICATIONS IN MANNED SPACE PROGRAMS AND IN EARTH ENVIRONMENT A65-14524
- INTERRELATIONSHIPS AMONG BIOMETEOROLOGY, ANTHROPOLOGICAL ENGINEERING, MEDICINE AND PSYCHOTECHNICS A65-19770
- PROBLEM OF OXYGEN SUPPLY ON SPACE FLIGHTS REQUIRING PHOTOSYNTHESIS SOLUTION A65-21342
- TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET AND BALLOON STUDIES A65-23840
- COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY, USING MOVING AVERAGE BANDPASS FILTERS A65-24193
- CLINICAL OBSERVATION OF REACTION OF CREW OF SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHOD NOTING VESTIBULAR EFFECTS A65-28331
- ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE CONDITIONS A65-29945
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN MAY 1964 A65-30671
- RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT IONIZATION CHAMBERS A65-30674
- CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- SPACE RADIATION, WEIGHTLESSNESS AND ANGULAR VELOCITY EFFECTS ON HUMAN BEINGS, NOTING TERMINAL PHASE CONDITIONS A65-33280
- HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY, WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL PROBLEMS, ETC A65-35148
- BOOK ON VISUAL CAPABILITIES IN SPACE ENVIRONMENT INCLUDING ASTRONAUTS AND COSMONAUTS EXPERIENCES, SPACE CABIN ATMOSPHERE INFLUENCE, VISUAL DISPLAYS FOR SPACE SYSTEMS, ETC A65-35480
- PROGRAM OF VISUAL EXPERIMENTS FOR ORBITAL RESEARCH LABORATORIES INCLUDING GEMINI AND APOLLO TEST SCHEDULE FOR EVALUATION OF HUMAN VISION IN SPACE A65-35495
- VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT ON HUMAN VISUAL CAPABILITIES A65-35496
- SPACE BIOLOGY IN THE SOVIET UNION FTD-TT-64-664/163&4 N65-10288
- BIOASTRONAUTICS AND SPACE MEDICINE NASA-TT-F-9155 N65-11306
- PEROGNATHUS INVESTIGATED AS EXPERIMENTAL ORGANISM FOR SPACE BIOLOGY RESEARCH NASA-CR-59706 N65-12413
- CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH HQARSC-TDR-64-1 N65-13216
- BIOSCIENCE EXPERIMENTS IN SPACE AMD-TR-64-10 N65-15262
- SOVIET BIOSCIENCE IN SPACE - BIOASTRONAUTICS AMD-TR-64-16 N65-15269
- QUANTITATIVE AND QUALITATIVE BIOASTRONAUTICAL HUMAN FACTOR ANALYSIS NASA-SP-3006 N65-15594
- ABSTRACTS ON SOVIET BIOASTRONAUTICS AND BIOTECHNOLOGY - RADIATION, GRAVITY, VIBRATION, ACCELERATION, ATMOSPHERE, ECOLOGY, SELECTION, TRAINING, MEDICAL MONITORING, AND BIOTELEMETRY ATD-P-65-4 N65-16653
- TRANSFER OF AEROSPACE TECHNOLOGY TO BIOMEDICINE NASA-CR-60635 N65-16932
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS, MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING SUBORBITAL AND ORBITAL FLIGHT NASA-TT-F-305 N65-17465
- PROBLEMS OF SPACE BIOLOGY AND MEDICINE - SPEED AND ACCELERATION, WEIGHTLESSNESS, BIOSPHERE, FOOD SUPPLY, HUMAN FACTORS, COSMIC RADIATION FTD-MT-63-200 N65-18427
- BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS, WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN MEDICOBIOLOGY JPRS-29069 N65-18784
- SOVIET BIOASTRONAUTIC AND MANNED SPACE FLIGHT - LITERATURE SURVEY ATD-P-65-14 N65-19785
- SOVIET BIOASTRONAUTICS RESEARCH AND MANNED SPACE FLIGHT PROGRAM N65-22655
- BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE MEDICINE AND BIOASTRONAUTICS PUBLISHED IN U.S.S.R., 1962-1964 NASA-TT-F-270 N65-22968
- INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY - REPRODUCTIVE CYCLES, BREEDING AND REARING IN CAPTIVITY NASA-CR-62556 N65-23002
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY NASA-TT-F-9426 N65-27712
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN NASA-SP-7011/11/ N65-29648
- CONTINUING BIBLIOGRAPHY OF AEROSPACE MEDICINE AND BIOLOGY NASA-SP-7011/12/ N65-29649
- BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY NASA-SP-7011/13/ N65-30951
- BIOLOGICAL MEASUREMENTS IN SPACE - AUTOMATIC DEVICE - MONITORING DIGITAL COMPUTER - INFORMATION MEASURING SYSTEMS - SPACE BIOLOGY JPRS-31679 N65-31522
- PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF

- MANNED SPACE FLIGHT PROGRAM N65-32679
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/14/ N65-33830
- BIOCHEMICAL FUEL CELL**
BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION WATER RECOVERY UNIT A65-34474
- HYDROGEN GENERATION FROM SUGARS AND NATURAL PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL CELL
REPT.-10 N65-24964
- BIOCHEMISTRY**
SA PHYSIOCHEMISTRY
- CYTOSINE, ADENINE, GUANINE, THYMINE AND URACIL DETECTION IN CORE SAMPLES FROM EXPERIMENTAL MOHOLE A65-13171
- MODIFIED PHYCOERYTHRIN SEPARATION FROM PORPHYRIDUM CRUENTUM TREATED WITH P-CHLOROMERCURIBENZOATE AND INTERACTION WITH GLUTATHIONE A65-13547
- APPROACHES TO DIRECT AND INDIRECT EXTRATERRESTRIAL LIFE IDENTIFICATION CONCENTRATING ON MICROORGANISMS AND NOTING ROLE OF CARBON A65-22771
- ASSIMILATION OF ENERGY FROM INORGANIC SOURCES IN AUTOTROPHIC FORMS OF LIFE SUCH AS NITROBACTER WINOGRADSKYI BUCH A65-25241
- CHEMICAL AND PSYCHOPHYSICAL FACTORS UNDERLYING PERCEPTION OF COLOR AND COLOR BLINDNESS A65-26943
- ORGANIC COMPOUND FORMATION EXPERIMENTATION TO TEST ORIGINATION OF LIVING CELLS WITH TERRESTRIAL TYPE BIOCHEMISTRY A65-27097
- POSSIBLE ALTERNATIVE CHEMICAL ELEMENTS AND COMPOUNDS SUITABLE FOR PROLONGED BIOMOLECULAR EVOLUTION AND CHEMICAL SELECTION ON NONTERRESTRIAL TYPE PLANET A65-27098
- PORPHYRIN PIGMENTS FORMED BY GREEN SULFUR BACTERIA DETERMINED FOR INVESTIGATING STRUCTURE AND TRACTS OF BACTERIOVIRIDIN BIOSYNTHESIS A65-27775
- COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES A65-30593
- PREBIOLOGICAL ENVIRONMENT SIMULATION AND SYNTHESIS OF BIOLOGICALLY SIGNIFICANT MOLECULES FROM ELEMENTS OF PRIMORDIAL ATMOSPHERE A65-31348
- HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND IN LIVE ORGANISMS A65-32614
- FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING HOW THESE PREPARATIONS ARE AFFECTED BY INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE METABOLISM OF GLUCOSE A65-33702
- REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS WITH ANTIPURINOYL ANTIBODY WITH OR WITHOUT HEAT DENATURATION A65-33947
- BIOCHEMICAL ALTERATIONS OCCURRING DURING PHYSIOLOGICAL REACTIONS OF SKIN FOLLOWING EXPOSURE TO ULTRAVIOLET RAYS A65-80056
- MODEL FOR BIOCHEMICAL ORIGIN OF LIFE - FIRST ORGANISM A65-80466
- CHEMICAL BASIS OF CUTANEOUS PERCEPTION IN MAN AS AFFECTED BY LIGHT A65-80798
- ORGAN OF CORTI- HISTOPHYSIOLOGY AND HISTOCHEMISTRY A65-81422
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA MONAX - BIOCHEMICAL AND PHARMACOLOGICAL INVESTIGATIONS OF BLOOD AND BROWN FAT A65-81457
- PROTEIN BIOSYNTHESIS PROBLEMS
FTD-TT-63-1219/162 N65-12032
- CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN PETROLEUM, POWER GENERATION, AND PRODUCTION
BM-1C-8246 N65-13393
- BIOCHEMISTRY AND RADIATION IMMUNOLOGY
JPRS-28016 N65-15666
- PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR APPLICATION IN CLOSED ECOLOGICAL SYSTEMS
NASA-CR-60396 N65-15801
- BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND PSYCHIC DISEASES
JPRS-28527 N65-15872
- RADIOISOTOPIC BIOCHEMICAL PROBE FOR EXTRATERRESTRIAL LIFE
NASA-CR-55529 N65-16276
- RADIOISOTOPIC BIOCHEMICAL PROBE OF MICROORGANISMS FOR EXTRATERRESTRIAL LIFE
NASA-CR-55535 N65-16478
- RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III MODEL
NASA-CR-56214 N65-16497
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554 N65-16812
- REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA ACCLIMATIZATION N65-17811
- PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION TO HIGH MOUNTAINS N65-17812
- CELLULAR MODEL OF CYBERNETIC SYSTEM BASED ON MORPHOLOGICAL AND BIOCHEMICAL STRUCTURE AND FUNCTION
JPRS-28974 N65-17986
- CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
- CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL SERUMS FOLLOWING RESTRAINT
ARL-TR-64-12 N65-20895
- SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY, PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY
JPRS-29292 N65-21236
- NORMAL NUCLEAR BIOCHEMICAL PROCESSES AND ANALYSIS OF NUCLEAR RADIATION DAMAGE N65-23462
- CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS, CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS, EXTERNAL RADIATION TOXICITY, AND METABOLISM OF FISSION PRODUCTS
ANL-6971 N65-24249
- PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD STRESS FOR INTERPRETATION OF DIFFERENCES IN ACTION OF THERAPEUTIC DRUGS AT VARIOUS ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20 N65-25254
- BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND SERUM DETERMINATIONS OF UREA NITROGEN, URIC ACID, AND CREATININE
LF-22 N65-25292
- BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION PROCESSES
QTR-3 N65-25572

SUBJECT INDEX

BIOELECTRIC POTENTIAL

- BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS OF CATARACTOGENIC METHODS
SAM-TDR-64-19 N65-26243
- RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN PROTOBIOCHEMISTRY - ABIOTIC GENESIS
NASA-CR-63560 N65-27062
- TRANSFORMATION OF AMINO-ACYL-S- RNA INTO DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE CARBODIIMIDE
NASA-TT-F-9448 N65-27724
- MASS CULTIVATION OF BACTERIA - ASTEROMONAS GRACILIS ARTARI
JPRS-30995 N65-28134
- QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR DETECTION OF SMALL DIFFERENCES IN PROTEIN STRUCTURE
NASA-CR-58660 N65-29652
- CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION
TID-21440 N65-30175
- PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514
- CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS - PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS SYSTEM
JPRS-31577 N65-31520
- BIOCHEMISTRY, RADIOBIOLOGY, PHARMACOLOGY, TOXICOLOGY, NUCLEAR MEDICINE, BIOPHYSICS, AND ENVIRONMENTAL RADIATION PUBLICATIONS
UCLA-12-541 N65-31798
- CELLULAR AND BIOCHEMICAL RADIOBIOLOGY
EUR-2201.F N65-31915
- BIOCHEMISTRY OF ERYTHROCYTES
AD-617518 N65-35942
- BIOCONTROL SYSTEM
SA MUSCULAR SYSTEM
SA RESPIRATORY SYSTEM
- REGULATION AND CONTROL IN BIOLOGICAL SYSTEMS
MODELING BODY BY DYNAMIC NETWORKS A65-15863
- SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY A65-23787
- MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE VEHICLES COVERING GENERAL CONTROL PATTERNS AND CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND LIMITS A65-34986
- ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF HUMAN RESPIRATORY SYSTEM A65-34987
- MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN FLOW TO SKELETAL MUSCLES A65-34988
- BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER SIMULATION AND SERVOANALYSIS
NASA-CR-190 N65-19261
- DYNAMIC PROPERTIES AND MODELING OF SENSITIVE ELEMENTS FOLLOWING STIMULATION IN VARIOUS BIOLOGICAL CONTROL SYSTEMS N65-23364
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE - AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL, CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS, AND BEHAVIORAL ORGANIZATION
NASA-CR-219 N65-23813
- BIOCOURIER PROJECT
SA LIFE SCIENCE
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL AND ELECTROMAGNETIC DATA FROM REMOTE FIELD BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678
- BIODYNAMICS
HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-15537
HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-17996
SPACE BIOLOGY OF PLANTS AND ANIMALS - BIODYNAMICS N65-20324
- BIOELECTRIC POTENTIAL
RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO PERIPHERAL CUTANEOUS UNMYELINATED FIBERS A65-22352
- TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL POSITION A65-24779
- SOMESTHETIC POTENTIAL MEASUREMENT OF RATS AND CATS ONBOARD ROCKETS EMPHASIZING SENSOR EMPLACEMENT, ANIMAL TRAINING AND RADIO TRANSMISSION A65-26600
- MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT TEMPERATURE A65-30482
- ACTION POTENTIAL RECORDED, USING REAL-TIME AND ON-LINE SORTING OF NEUROELECTRIC ACTION POTENTIALS A65-30843
- MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS A65-31019
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME EXPERIMENTAL RESULTS A65-80438
- VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO STIMULATION OF AMPULLAR NERVE ANALYZED IN ANESTHETIZED CAT A65-80463
- EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE SLEEP A65-80616
- AUDITORY EVOKED RESPONSES AND ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN MAN A65-80639
- EXCITABILITY CYCLE OF HUMAN VISUAL CORTEX A65-80640
- VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX A65-80641
- PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES DURING SLEEP IN MAN A65-80642
- ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES TO LIGHT FLASH A65-80643
- VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA CYCLE AND CARDIAC AROUSAL CYCLE A65-80644
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION AND OCULOMOTOR REACTION TIMES IN MAN A65-80645
- RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL CORTEX A65-80734
- CORTICAL AND OCULAR ELECTRICAL RESPONSES TO INTERMITTENT LIGHT STIMULATION IN MAN A65-80773

RELATIONS BETWEEN ELECTRORETINOGRAMS AND OCCIPITAL POTENTIALS ELICITED BY FLICKERING STIMULI A65-80774

ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF MAN TO COLOR FLICKER STIMULI A65-80775

VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC ACTIVITY A65-80783

VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND BASAL GANGLIA IN CATS A65-80839

COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL ANIMALS AND IN MAN A65-81052

INHIBITION OF NONSPECIFIC SENSORY POTENTIALS IN CAT FOLLOWING STRIOPALLIDAL AND CAPSULAR STIMULATION A65-81303

DC RESTING POTENTIALS OF CAT AS AFFECTED BY ELECTRIC AND THERMIC STIMULATION OF EFFERENT VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE A65-81379

ACOUSTICALLY EVOKED RESPONSE TO CESSATION OF STIMULUS A65-81416

VESTIBULAR RESPONSE TO SOUND - SINGLE UNIT RECORDING FROM VESTIBULAR NERVE IN FENESTRATED DEAF MICE A65-81537

EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER CEREBELLAR LOBES IN CATS A65-81544

MODIFICATIONS OF CONTINUING AMPULLAR POTENTIALS INDUCED BY STIMULATION OF EFFERENT VESTIBULAR SYSTEM A65-81615

EVOKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND CEREBRAL CORTEX A65-81672

MATHEMATICAL ANALYSIS OF AVERAGE RESPONSE COMPUTATION BASED ON APERIODIC STIMULI A65-81690

SYNCHRONIZATION OF INITIAL AFFERENT FLOW IN VISUAL SYSTEM IN CAT A65-81705

EFFECT OF ATTENTION ON EVOKED RESPONSES IN CLASSICAL AUDITORY PATHWAY IN CATS A65-81706

SIMULTANEOUS EVALUATION OF QUANTITATIVE WAVE PATTERNS AND MEAN AMPLITUDE OF BRAIN POTENTIAL BY COMBINED DATA A65-81881

RELATIONSHIP BETWEEN CHANGES IN ELECTRIC POTENTIAL OF FOREARM MUSCLES AND ACRAL VASOMOTOR REACTION EVOKED BY DEEP INSPIRATION A65-81993

AUDIOMETRIC ASPECTS AND MULTISENSORY POWER-FUNCTIONS OF ELECTRONICALLY AVERAGED SLOW EVOKED CORTICAL RESPONSES IN MAN A65-82136

ELECTRIC STIMULATION OF VESTIBULAR EFFERENT SYSTEM AS RELATED TO NERVE ACTIVITY AND DC RESTING POTENTIAL A65-82140

NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND CONTRACTION, AND HABITUATION OF SUBJECT DURING IMMERSION OF HAND AND ARM IN 10 DEG C. WATER A65-82160

MINIATURE BIOPOTENTIAL TELEMETRY SYSTEM A65-82204

STUDY OF SUBCORTICAL POTENTIALS IN HUMAN PATIENTS WITH IMPLANTED ELECTRODES A65-82246

STIMULUS CODING REFLECTED BY VARYING DISCHARGE PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF CAT DURING ACOUSTICAL STIMULATION A65-82268

RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND

ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA VASCULARIS, AND SOUND STIMULATION A65-82269

COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING SOUND STIMULATION AND HYPOTHERMIA A65-82306

COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE A65-82308

ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN EYES OF CATS DURING LIGHT AND DARK ADAPTATION. A65-82353

SYMPOSIUM ON PHYSICOCHEMICAL BASES OF BIOELECTRIC POTENTIALS JPRS-31971 N65-33430

BIOELECTRICITY

AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING NOISE A65-10547

ELECTRICAL MODEL OF HUMAN HEART, USING FOUR CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE POTENTIALS A65-10735

FETAL CARDIAC ELECTRICAL AXIS OF VENTRICULAR ACTIVITY BASED ON ELECTROCARDIOGRAMS A65-10736

ELECTROENCEPHALOGRAM AS TOOL FOR DETERMINING WHICH CURRENT PRODUCES EFFECTIVE ANESTHESIA A65-10737

LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER, SILVER CHLORIDE AND NONIRRITATING PASTE A65-21947

AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR COLLICULUS OF CAT DURING ACOUSTIC HABITUATION A65-80197

INTERACTION BETWEEN EVOKED POTENTIAL AND BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL CORTEX A65-80702

OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG FOLLOWING CALORIC STIMULATION OF LABYRINTH A65-81313

SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS /PRAIRIE DOG AND GROUND SQUIPRL/ AND NONHIBERNATORS /CAT AND GUINEA PIG/ DURING HYPOTHERMIA A65-81315

SHORT-LATENCY HUMAN MUSCLE AND BRAIN EVOKED RESPONSES TO CLICKS A65-81635

INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT, GENICULATE BODY, AND CORTEX OF CAT A65-82355

VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC ACTIVITY DUE TO HYPOXIA N65-13629

BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT N65-13661

ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS AND ACCELERATION STRESS N65-13664

BIOELECTRIC APPARATUS JPRS-27112 N65-15719

AUTOMATIC FREQUENCY ANALYSIS AND MEASUREMENT OF BIOELECTRIC POTENTIALS N65-16730

CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE HYPOXIA N65-17767

SUBJECT INDEX

BIOINSTRUMENTATION

- BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE -
STUDY OF ELECTRODE MATERIALS AND LOCUS IN
VARIOUS LABORATORY ANIMALS
NASA-CR-60955 N65-17947
- MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIOELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING
INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON
BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
FTD-TT-65-388/1&2 N65-26142
- BIOENGINEERING**
SA HUMAN ENGINEERING
- ENGINEERS ROLE IN REGARD TO BIOLOGICAL SCIENCES,
NOTING TREND IN EDUCATION A65-33501
- BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND
PLANT RESEARCH FOR SPACE EXPLORATION
AD-450818 N65-16601
- INTERACTING FIELDS OF BIOLOGY AND ENGINEERING -
BIONICS AND BIOENGINEERING N65-16602
- BIOENGINEERING - SPACECRAFT ACCELERATION
SIMULATION BY HUMAN CENTRIFUGE N65-16603
- BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615
- BIONICS - SCIENCE APPLYING BIOLOGICAL KNOWLEDGE TO
SOLUTION OF ENGINEERING PROBLEMS
JPRS-29090 N65-18408
- BIOGENESIS**
SA ABIOGENESIS
- EXPERIMENTAL SYNTHESIS OF NUCLEIC ACID AND PROTEIN
TO TEST BIOCHEMICAL EVOLUTIONARY HYPOTHESIS
A65-14529
- LIFE ORIGIN THEORIES EMPHASIZING AMINO ACIDS
COMMON TO PROTEIN AND MODULATION OF PROTEIN INTO
PRIMITIVE CELLS A65-16244
- POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES
FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION
YEARS OLD A65-23841
- ORIGIN AND EVOLUTION OF LIFE PRIOR TO TWO BILLION
YEARS AGO IN PRESENCE OF WEAK MAGNETIC FIELD,
NOTING POSSIBLE ENHANCEMENT BY SOLAR WIND
A65-23842
- MARTIAN LIFE DEPENDS ON CHEMOGENY, BIOGENY,
COGNOGENY, SIMILARITY AND DISSIMILARITY TO EARTH
AND PHYSICAL AND CHEMICAL ENVIRONMENT
A65-28200
- ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL
METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE
A65-80080
- EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL
BODIES INCLUDING EVIDENCE FOR AND AGAINST
BIOGENESIS AND ABIOGENESIS A65-80097
- ORIGIN OF LIFE AS PROBLEM OF FORMATION OF
MACROMOLECULES A65-80297
- ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES A65-80444
- ORIGINS OF PREBIOLOGICAL SYSTEMS AND OF THEIR
MOLECULAR MATRICES - CONFERENCE
A65-80465
- APPLICATION OF PROBABILITY THEORY TO SPECULATIONS
ON ORIGIN OF LIFE A65-80468
- HISTORY OF BIOGENETIC AND ABIOGENETIC THEORIES
A65-80470
- SIGNIFICANCE AND STATUS OF EXOBIOLOGY /STUDY OF
EXTRATERRESTRIAL LIFE/ IN RELATION TO ORIGIN OF
LIFE A65-80508
- TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO
BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR
ABIOLGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- EFFECT OF EVOLUTION OF EARTH ATMOSPHERE ON
PRESENCE OF BIOSPHERE ON EARTH A65-81451
- PROBABILITIES CONCERNING ORIGIN AND EVOLUTION OF
LIFE A65-81738
- BIOINSTRUMENTATION**
SECOND NATIONAL BIOMEDICAL SCIENCES
INSTRUMENTATION SYMPOSIUM AT ALBUQUERQUE IN
MAY 1964 A65-10543
- EYE MOVEMENT RECORDER FOR STUDYING VISUAL
ILLUSIONS OF ROTATION A65-10545
- RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR
RECORDING BIOELECTRICAL DATA, FORCE AND
DISPLACEMENT A65-10546
- BIOINSTRUMENTATION AND MONITORING SYSTEM FOR
ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL
STRESS A65-10697
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM
AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5,
1964 A65-10722
- BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS
UNDER REAL AND SIMULATED FLIGHT CONDITIONS
A65-10725
- INSTRUMENTATION FOR EVALUATING ANIMAL RESPONSE TO
STIMULI IN SPACE ENVIRONMENT BY OPERANT
CONDITIONING METHOD A65-10734
- BIOMEDICAL INSTRUMENTATION USING SQUEGGING
OSCILLATOR FOR LOW POWER DIGITAL TELEMTRY
A65-10741
- DYNAMIC BIOASTRONAUTICAL INSTRUMENTATION FOR
BIOCHEMICAL, BIODYNAMIC AND PSYCHOMOTOR SYSTEMS
ISA PAPER 16.1-3-64 A65-11184
- GEMINI BIOINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM
IN FLIGHT A65-21499
- ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE
CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL
GANGLIA ELECTRICAL ACTIVITY A65-22674
- X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING
BIOINSTRUMENTATION AND TELEMTRY, PRESSURE SUIT
DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT
PERFORMANCE A65-22688
- CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION
SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON
TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE
FLIGHT SIMULATORS A65-23199
- ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR A65-24077
- PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES
RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL
OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES
INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE
A65-24201
- TELEMTRY UNIVERSAL SENSOR / TELUS/ FOR
MONITORING ELECTRICAL OR ELECTROMAGNETIC OUTPUTS
FROM FIELD SENSING INSTRUMENTS A65-24202

BIOLOGICAL CELL

SUBJECT INDEX

- MICROELECTRONIC TECHNIQUES APPLIED TO BIOLOGICAL INSTRUMENTATION WITH ATTENTION TO NEUROCIRCUITS
A65-26447
- ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW MEASUREMENTS
A65-33281
- BIOINSTRUMENTATION DEVELOPMENT FOR MONITORING PHYSIOLOGICAL DATA IN HIGH PERFORMANCE AIRCRAFT
A65-36047
- INSTRUMENTATION FOR BIOMEDICAL TESTS USEFUL TO AIR FORCE MANNED ORBITING LABORATORY PROGRAM IN MEASURING SPACE FLIGHT STRESSES
A65-80549
- BIOINSTRUMENTATION AND TELEMETRIC METHODS FOR MONITORING PHYSIOLOGICAL FUNCTIONS IN MAN AND ANIMALS
A65-81048
- BIOINSTRUMENTATION FOR PLANETARY LANDING SPACE CAPSULE
N65-16609
- BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL ANALYSIS OF PLANETARY SURFACE
N65-16610
- BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE MONITORING DURING BEDREST
NASA-CR-173
N65-20471
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL AND ELECTROMAGNETIC DATA FROM REMOTE FIELD BIOSENSING TRANSDUCERS
SAM-TR-65-1
N65-33678
- BIOINSTRUMENTATION FOR AEROSPACE MEDICINE - CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM SIMULATOR, AND ELECTRON VOLTAGE STABILIZER
FTD-TT-64-1089/1&2
N65-33752
- BIOLOGICAL CELL
SA CHROMOSOME
SA CYTOGENESIS
SA CYTOLOGY
SA ERYTHROCYTE
SA MITOCHONDRIA
SA NUCLEUS
- CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE LEVELS
A65-14804
- CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVER-CROWDING AND DISEASE IN MULTICELLULAR SYSTEMS
A65-18287
- REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL DEOXYRIBOSIDE
A65-18398
- LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL VARIATIONS AND AGENTS RESPONSIBLE
A65-29012
- MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY TRANSFER
A65-80162
- ULTRAVIOLET RADIATION EFFECT ON HUMAN CELLULAR RESPONSES CORRELATED TO ULTRASTRUCTURAL CHANGES
A65-80224
- INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT BRAIN
A65-80360
- MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE AS RELATED TO TISSUE TYPE AND AGE AND FIELD STRENGTH AND TEMPERATURE
A65-80426
- PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO
- JUXTAGLOMERULAR CELLS OF KIDNEY
A65-80559
- OXYGENATION OF TISSUE CELL
A65-81512
- POISONING OF CELLULAR REACTIONS BY OXYGEN
A65-81513
- MORPHOLOGY AND POLARIZATION OF HAIR CELLS OF VESTIBULAR END ORGAN
A65-81721
- OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS
A65-82070
- GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR ORGANISMS AND MICROSCOPIC TECHNIQUES FOR OBSERVING LIVING CELLS
NASA-CR-51799
N65-15368
- VAN SLYKES BUFFER VALUES FOR CHLORELLA CELL SECRETIONS INTO SURROUNDING MEDIUM
N65-15803
- ELECTRON MICROGRAPHS OF THERMAL PROTEINOID MICROSPHERES - BIOLOGICAL CELL MODEL
NASA-CR-52474
N65-16983
- LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS
NASA-CR-55179
N65-17055
- OXYGEN CONCENTRATION EFFECT ON GROWTH RATE, CONVERSION EFFICIENCY, AND CELL COMPOSITION - CYTOGENESIS
NASA-CR-55188
N65-17069
- REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA ACCLIMATIZATION
N65-17811
- CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH ALTITUDES
N65-17828
- RADIATION EFFECTS ON BIOLOGICAL CELLS AND WHOLE ORGANISMS
FTD-TT-62-355/1&2&4
N65-21540
- INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY ABSORPTION IN CELLULAR STRUCTURES
N65-23451
- FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN IRRADIATED BIOLOGICAL CELLS
N65-23457
- PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS
N65-23458
- X-RAY AND AMINO ACID ANALOG EFFECT ON DNA SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS
N65-23459
- INITIAL STAGES OF RADIATION DAMAGE TO BIOLOGICAL CELLS AND GENETIC MATERIALS AND PREVENTIVE METHODS
N65-23465
- HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST CELLS FOR STUDY OF CELLULAR MODIFICATION
N65-23466
- ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING, AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89 CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101
N65-25163
- OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND PETROLEUM GAS WITH HYDROGEN SULFIDE
JPRS-30443
N65-25425
- IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541
N65-25430
- COMPILATION OF REPORTS ON MANNED SPACE FLIGHT, GENETICS, AND CYTOLOGY - BIOLOGICAL CELL
JPRS-30944
N65-28286

SUBJECT INDEX

BIOLOGICAL EFFECT

- THERMAL MOLECULAR MOTION OF LIVING PROTOPLASM - ENVIRONMENTAL ADAPTATION N65-28289
- CELLULAR AND BIOCHEMICAL RADIOBIOLOGY EUR-2201.F N65-31915
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED SUSPENSION CULTURES OF RAT BONE MARROW CELLS EUR-2415.E N65-32144
- INTERNEURONAL TRANSFER FUNCTIONS AND FUNCTIONAL RESPONSE CHARACTERISTICS OF BIOLOGICAL NERVE CELLS SAR-7 N65-32793
- RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS BNL-8469 N65-32842
- LITERATURE SURVEY IN CHEMICAL BIONICS - BIOLOGICAL LIVING CELL AS CHEMICAL UNIT JPRS-32014 N65-33203
- EFFECTS OF VIBRATIONS ON CHROMOSOMES/CELLS FROM VARIOUS ORGANISMS NASA-CR-64642 N65-33252
- RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE BONDS OF ADENOSINE TRIPHOSPHORIC ACID - STRUCTURE OF BIOLOGICAL MEMBRANES JPRS-32016 N65-34453
- LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS N65-34582
- BIOLOGICAL EFFECT**
 SA PATHOLOGICAL EFFECT
 SA PHYSIOLOGICAL RESPONSE
- BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION, EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY AND DIELECTRIC LOSSES DUE TO POLARIZATION RELAXATION IN WATER MOLECULES A65-29938
- BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF MANNED SPACE FLIGHTS TO MOON FROM SOVIET EXPERIMENTAL STUDIES AND DATA A65-33034
- RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR RADAR PERSONNEL A65-80058
- PROBLEMS OF INDUSTRIAL HYGIENE AND BIOLOGICAL EFFECT PRODUCED BY RADIO WAVES OF DIFFERENT BANDS A65-80065
- LEAD POISONING - CHANGES IN MORPHOLOGY AND METABOLISM OF ERYTHROCYTE OF HUMAN A65-80340
- BIOLOGICAL EFFECTS OF OXYGEN - A REVIEW A65-80365
- BIOLOGICAL EFFECTS OF MAGNETIC FIELDS A65-80409
- BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL OF RADIATION HAZARDS A65-81091
- INTERACTION OF LASER RADIATION WITH BODY TISSUES A65-81092
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND PROTECTIVE EFFECTS OF DRUGS ON MICE N65-10065
- RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM IN INDUSTRY AND STANDARDIZATION OF RADIOACTIVE SUBSTANCES JPRS-27032 N65-10120
- BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES N65-10122
- ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF NERVOUS SYSTEM FTD-TT-63-1170/1&2 N65-11760
- SOLAR ACTIVITY EFFECT ON PHYSIOLOGICAL AND BIOLOGICAL PHENOMENA JPRS-27563 N65-12870
- BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY RULES FOR PERSONNEL PROTECTION NAVTRADEVCE-1H-15 N65-14941
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL MAMMALS IN GASEOUS TEST CHAMBER NASA-CR-51657 N65-17056
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS ENVIRONMENTS NASA-CR-53543 N65-17057
- PROTON IRRADIATION EFFECT ON LIVING TISSUE NASA-CR-52679 N65-17289
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS, MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING SUBORBITAL AND ORBITAL FLIGHT NASA-TT-F-305 N65-17465
- EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS SYSTEMS N65-18886
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT NASA-CR-57477 N65-19871
- BIOLOGICAL EFFECTS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD FTD-TT-64-898/1&2 N65-22067
- BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE NASA-TT-F-9338 N65-23678
- MEDICO-BIOLOGICAL STUDIES OF FLIGHT CONDITIONS AND TRAINING - GRAVITY LOAD, WEIGHTLESSNESS, FLIGHT SIMULATION JPRS-29999 N65-24861
- METHODS FOR RAPID AND ACCURATE DETERMINATION OF AIR POLLUTION AND BIOLOGICAL EFFECT ON MAN JPRS-30241 N65-24938
- CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL EFFECT OF SMALL CONCENTRATION ON MAN N65-24939
- EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS FTD-TT-65-259/1 N65-25856
- HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER RADIATION EXPOSURE PG-647/CC/ N65-25935
- BIOLOGICAL EFFECTS OF SPACE TRAVEL AND ENVIRONMENT N65-26228
- ECOPHYSIOLOGY - BIOLOGICAL RESPONSE TO SPACE ENVIRONMENT AND TRAVEL N65-26229
- SPECIFIC CHARACTER OF BIOLOGICAL STRUCTURES INCLUDING SYSTEM CHANGES, INTERRELATIONSHIPS, BEHAVIOR, AND DEVELOPMENT JPRS-30737 N65-27025
- BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE N65-27136
- DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS, SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS N65-28298
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN NASA-SP-7011/11/ N65-29648
- CELLULAR AND BIOCHEMICAL RADIOBIOLOGY EUR-2201.F N65-31915
- BIOLOGICAL EFFECTS OF SMALL RADIOACTIVE PARTICLES

- FROM ATMOSPHERIC DEBRIS
LA-3365-MS N65-32357
- PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON
LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS
JPRS-31954 N65-33071
- MARINE BIOLOGICAL SOUND PRESENT IN TAPE RECORDINGS
OBTAINED FROM SHALLOW AND DEEP HYDROPHONES
NEL-1290 N65-33374
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF
MICROWAVES
ATD-P-65-68 N65-34204
- BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN
LARGE ANIMALS - RADIATION EFFECTS
N65-34583
- BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA
PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585
- BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
EFFECTS IN ANIMALS AND MAN N65-34586
- QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
PHYSIOLOGICAL PROCESSES IN GERMINATION AND
SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS N65-34942
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS N65-34944
- BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY
JPRS-31822 N65-35016
- CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND
ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL
EFFECTIVENESS IN YEAST
NASA-CR-67239 N65-35107
- SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS -
AEROSPACE MEDICINE
NASA-TT-F-350 N65-35828
- BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY
ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME
FLUIDS
ATD-T-65-56 N65-35916
- BIOLOGICAL MODEL
THEORETICAL BASES, ANALYTICAL RELATIONSHIPS AND
PROGRAMMING METHODS FOR DIGITAL COMPUTER MODEL OF
HUMAN BIOTHERMAL SYSTEM
AIAA PAPER 65-500 A65-29668
- SIMPLE THEORETICAL MODELS FOR MAGNETIC
INTERACTIONS WITH BIOLOGICAL UNITS
A65-80411
- MODEL FOR BIOCHEMICAL ORIGIN OF LIFE - FIRST
ORGANISM A65-80466
- SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
LIKE SYSTEM A65-80482
- PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS
USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL
THERMODYNAMICS
JPRS-28949 N65-17978
- MATHEMATICS, BIONICS, BIOPHYSICS, AND CYBERNETICS
FOR DEVELOPMENT OF BIOLOGICAL MODELS
JPRS-30177 N65-24064
- RESTRICTIONS ON DIFFERENTIAL EQUATIONS NECESSARY
TO USE DYNAMIC MODELING TO DESCRIBE BIOLOGICAL
- SYSTEMS
JPRS-31663 N65-31712
- BIOLOGICAL RHYTHM
SA ACTIVITY CYCLE /BIOL/
SA DIURNAL RHYTHM
SA PERIODICITY /BIOL/
HUMAN CIRCADIAN RHYTHMS AND ENTRAINMENT IN SPACE
FLIGHT, NOTING DIURNAL RHYTHM EFFECT ON SENSORY
AND MOTOR PERFORMANCE A65-14577
- REGULATION AND CONTROL IN BIOLOGICAL SYSTEMS
MODELING BODY BY DYNAMIC NETWORKS
A65-15863
- ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF
PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF
POCKET MICE A65-19519
- EFFECT OF ISOLATION FROM EXTERNAL TIME CUES ON
HUMAN CIRCADIAN RHYTHMS SUCH AS BODY TEMPERATURE,
SLEEPING PERIOD, PASSAGE OF TIME ESTIMATION AND
URINE EXCRETION A65-26527
- TEMPERATURE AND PRECONDITIONING EFFECT ON
PHOTOPERIODIC RESPONSE OF PHARBITIS NIL, STRAIN
VIOLET SHORT-DAY PLANT A65-30650
- TIME ESTIMATION - PHYSIOLOGICAL AND ANATOMICAL
BASES A65-80053
- BIOLOGICAL RHYTHMS IN PLANTS, VERTEBRATES, AND
INVERTEBRATES A65-80128
- VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA
CYCLE AND CARDIAC AROUSAL CYCLE A65-80644
- BIOLOGICAL RHYTHMS AND CYCLES IN ANIMAL
ORGANISMS - A BIBLIOGRAPHY A65-80746
- CONTINUOUS TELEMETRIC MEASUREMENTS OF BIOLOGICAL
RHYTHMS IN UNRESTRAINED ARCTIC GROUND SQUIRRELS
/CITELLUS PARRYI/ A65-81459
- LUNAR RHYTHM ANALOGIES IN VARIOUS BIOLOGICAL
PROCESSES IN MAN AND INVERTEBRATES
A65-81890
- BIOLOGICAL RHYTHMS IN POCKET MICE
NASA-CR-50597 N65-16436
- MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND
AND SUPERHIGH FREQUENCY ELECTROMAGNETIC
OSCILLATIONS - ACOUSTIC MEASUREMENTS OF
STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY
JPRS-30860 N65-28700
- BIOLOGY /GEN/
SA ANATOMY
SA BOTANY
SA ECOLOGY
SA GENETICS
SA MEDICINE /GEN/
SA MICROBIOLOGY
SA PHYSIOLOGY
SA RADIOBIOLOGY
SA ZOOLOGY
- SYSTEMS OF BIOLOGICAL TELEMETRY AS APPLIED TO
BEHAVIORAL, PHYSIOLOGICAL AND MEDICAL RESEARCH
A65-80011
- ALGAE AND MAN - ECOLOGICAL, MEDICAL, BIOLOGICAL,
AND INDUSTRIAL ASPECTS A65-80374
- MECHANISM FOR EXPLAINING DIRECT CHEMICAL EFFECT
OF MAGNETIC FIELDS IN LIVING SYSTEMS
A65-80414
- MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- BIOLOGICAL CONTROL SYSTEMS - VESTIBULAR EFFECT ON
SPACE ORIENTATION OF MAN
NASA-CR-59441 N65-10363

CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH
HQARSC-TDR-64-1 N65-13216

BIO-LIKE STRUCTURES FORMED IN DISTILLED WATER AND ON AGAR GEL IN ELECTRIC FIELD
NASA-TT-F-9239 N65-15057

BIOSCIENCE EXPERIMENTS IN SPACE
AMD-TR-64-10 N65-15262

BIOLOGY AND MEDICINE REFERENCE INFORMATION AND DATA HANDBOOK
AMRL-TR-64-100 N65-15790

INTERACTING FIELDS OF BIOLOGY AND ENGINEERING - BIONICS AND BIOENGINEERING
N65-16602

BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL ANALYSIS OF PLANETARY SURFACE
N65-16610

SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS DIRECTORY FOR FACILITATING EXCHANGE OF DATA, IDEAS, AND INFORMATION
NASA-CR-53419 N65-16826

AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY
NASA-SP-7011/06/ N65-17879

AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED BIBLIOGRAPHY FOR 1962 AND 1963
NASA-CR-62127 N65-21424

ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN BIOLOGICAL AND MEDICAL RESEARCH
TID-3580 N65-22098

BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR RECORDING BIOLOGICAL DATA DURING MOVEMENT AND ACTIVITY
FTD-MT-64-416 N65-22425

AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/09/ N65-22614

AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/10/ N65-22615

NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL, PHYSICAL AND CHEMICAL MATTER, AND PHYSICS, CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND METHODS IN EXPLORING LIFE PHENOMENA
JPRS-29864 N65-23144

PROCEEDINGS OF ATMOSPHERIC BIOLOGY CONFERENCE
NASA-CR-62786 N65-23980

ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY AND ACCOMPANYING FIELD OF RADIATION AS RELATED TO BIOLOGICAL ENVIRONMENT
N65-23981

BIOLOGICAL SIGNIFICANCE OF BACTERIAL COUNTS IN AQUATIC ENVIRONMENTS
N65-23991

ATMOSPHERIC COLLECTION OF MICROORGANISMS USING SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE
N65-24000

SELECTED ARTICLES ON EXPERIMENTAL BIOLOGY AND MEDICINE
JPRS-29980 N65-24227

ARCTIC MEDICINE AND BIOLOGY - FROSTBITE
N65-24301

20-CATHODE MULTIPOLAROGRAPH INSTRUMENTATION AND BIOLOGICAL APPLICATIONS
N65-24892

CYBERNETICS IN MOLECULAR BIOLOGY AND THEORY OF PERCEPTION
JPRS-30523 N65-26221

REGULATION OF CELLULAR METABOLISM, DETERMINISM IN BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND LIFE
N65-26222

DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES

OF EXCRETION OF RADIOACTIVE ISOTOPIES IN VARIOUS ORGANS
N65-26393

PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH EMPHASIS ON CHEMICAL COMPOSITION AND PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS BEYER
FTD-TT-64-636/162 N65-28101

APPLICATION OF CYBERNETICS TO FIELD OF BIOLOGY
JPRS-31029 N65-29063

BIOLOGICAL FATIGUE IN AIR SAFETY
AM-65-13 N65-29792

NUCLEAR ENERGY APPLICATION TO BIOLOGICAL SCIENCES - SYMPOSIUM
N65-29883

RADIATION BIOLOGY INVESTIGATIONS WITH FRESH WATER ORGANISMS - CYBERNETICS
N65-30265

BIOLOGICAL EXPLORATION OF MARS
NASA-CR-64337 N65-30839

MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS
NASA-CR-65072 N65-30921

LITERATURE SURVEY IN MOLECULAR BIOLOGY, GENETICS, AND STRESS
JPRS-31599 N65-31535

BIOLOGICAL APPLICATION OF TELEMETRY TECHNIQUES - BIOTELEMETRY
NASA-SP-5023 N65-34001

APPLICATION OF TELEMETRY SYSTEMS TO BIOLOGICAL STUDY DUE TO MICROMINIATURIZATION
N65-34006

BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279

BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND MEDICAL RESEARCH
BNWL-115 N65-34703

AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY WITH INDEXES
NASA-SP-7011/15/ N65-36894

BIOLUMINESCENCE
BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN MACROMOLECULES, NUCLEIC ACID MOLECULAR STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN LUMINESCENT BACTERIA
JPRS-30097 N65-25027

GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA DETERMINATION - ENERGY CORRELATIONS BETWEEN BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT BACTERIA
N65-25030

BIOMECHANICS
BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY RESPONSE TO DYNAMIC ENVIRONMENT
A65-10544

HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF MECHANICS
A65-14224

DISCREPANCY BETWEEN HIGH SPEEDS ATTAINED BY DOLPHINS AND THEIR MUSCLE POWER
A65-18443

MECHANO ELECTRICAL AND BIOMECHANICAL PRINCIPLES OF CONTROL OF HUMAN UPPER LIMB MUSCLES
A65-20495

VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT BACKREST INCLINATIONS
A65-80174

INTRODUCTION TO BIOMECHANICS OF BODY BEHAVIOR
A65-81032

BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW

- FREQUENCY VIBRATIONS A65-81364 A65-81394
- LUNAR RHYTHM ANALOGIES IN VARIOUS BIOLOGICAL PROCESSES IN MAN AND INVERTEBRATES A65-81890
- COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION OF LIMB STRUCTURE DTMB-1810 N65-17039
- BIOMECHANICS OF CORNEA - APPLICATION TO INTRAOCULAR PRESSURE MEASUREMENT NASA-CR-67160 N65-34461
- BIOMETRICS**
- SA REGRESSION ANALYSIS
- INSTRUMENTAL METHODS OF INVESTIGATION AND OBSERVATIONS OF SPACECREW DURING EARTH ORBIT JPRS-29521 N65-20834
- BIONICS**
- SA CYBERNETICS
- BIONICS, SOLUTION OF ENGINEERING PROBLEMS BY APPLICATION OF FUNCTIONAL PRINCIPLES DERIVED FROM BIOLOGICAL SYSTEMS A65-24146
- BIONICS - BASIC PROBLEMS AND TECHNOLOGY JPRS-27635 N65-12055
- BIONICS EXTENDED BEYOND CONTEMPORARY SPECIES TO INCLUDE EXTINCT ANIMALS - ANIMAL ANALOGIES FOR TECHNOLOGICAL SYSTEMS N65-16513
- INTERACTING FIELDS OF BIOLOGY AND ENGINEERING - BIONICS AND BIOENGINEERING N65-16602
- BIONICS - SCIENCE APPLYING BIOLOGICAL KNOWLEDGE TO SOLUTION OF ENGINEERING PROBLEMS JPRS-29090 N65-18408
- ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC STUDIES JPRS-29757 N65-22113
- ADVANCED CONCEPTS IN BIOTECHNOLOGY, HUMAN ANALOGS AND BIONICS - HUMAN ANALOG OF VISUAL SENSOR PROVIDED INFORMATION ON MECHANISMS AND PROCESSES CARRIED OUT IN HUMAN EYE NASA-CR-64177 N65-31050
- LITERATURE SURVEY IN CHEMICAL BIONICS - BIOLOGICAL LIVING CELL AS CHEMICAL UNIT JPRS-32014 N65-33203
- BIOPHYSICS**
- SA RADIOBIOLOGY
- HIGH RESOLUTION ELECTRON MICROSCOPY FOR CORRELATIVE STUDIES OF BIOLOGICAL ULTRASTRUCTURE A65-18695
- PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF HUMAN BODY LOCATED IN FRONT SECTION OF HYPOTHALAMUS A65-25075
- VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/ AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT INFORMATION NECESSARY FOR LIVING SYSTEM SPECIFICATION IS STORED IN ATOM CONFIGURATION A65-31004
- NOISE-INDUCED HEARING LOSS AND BIOPHYSICAL LAW DESCRIBING LOSS A65-80817
- BIOLOGICAL SENSITIVITY AND INTERACTION WITH RADIOFREQUENCY AND MICROWAVE ENERGY A65-81090
- PHYSICS OF EAR AND HEARING A65-81164
- BEHAVIORAL BIOPHYSICS - ELECTROMAGNETIC RADIATION AND RELATION TO BEHAVIOR OF ORGANISMS A65-81206
- ELECTROMAGNETIC RADIATION AND LIFE PROCESSES
- CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF TRITIUM DECAY NASA-CR-59196 N65-10112
- AUTOMATION PROBLEMS IN BIOPHYSICS JPRS-27785 N65-12785
- HUMAN VISUAL ANALYZER AND ELECTRONIC MODEL OF HEART - BIOPHYSICS AND PSYCHOLOGY JPRS-28234 N65-14747
- SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY, PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY JPRS-29292 N65-21236
- CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS, CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS, EXTERNAL RADIATION TOXICITY, AND METABOLISM OF FISSION PRODUCTS ANL-6971 N65-24249
- PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND DIVISIONS NASA-CR-62925 N65-24575
- BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN MACROMOLECULES, NUCLEIC ACID MOLECULAR STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN LUMINESCENT BACTERIA JPRS-30097 N65-25027
- RADIOLOGICAL PHYSICS, BIOPHYSICS, AND RADIOBIOLOGY NYO-2740-2 N65-28021
- ELECTROGRAPHIC FORMATS TO MEET BIOPHYSICAL RESEARCH REQUIREMENTS - RELATIONSHIP AMONG BIOPHYSICAL INSTRUMENTATION PROBLEM, RESEARCH WORKER, AND DATA HANDLING AND INTERPRETATION N65-28755
- BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE AMRL-TR-65-11 N65-30036
- BIOCHEMISTRY, RADIOBIOLOGY, PHARMACOLOGY, TOXICOLOGY, NUCLEAR MEDICINE, BIOPHYSICS, AND ENVIRONMENTAL RADIATION PUBLICATIONS UCLA-12-541 N65-31798
- ARTICLES ON BIOPHYSICAL RESEARCH - MITOGENETIC RADIATION, STRUCTURE OF PIGEON UTRICLE, ION TRANSPORT IN RAT-CORTEX SECTIONS, AND BIOELECTRICAL PHENOMENA IN MICROORGANISMS JPRS-32209 N65-35150
- DATA AND THEORIES PERTAINING TO MITOGENETIC RADIATION BIOPHYSICAL RESEARCH N65-35151
- BIOREGENERATION**
- HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM A65-11401
- PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE CONTROL AND FOOD PRODUCTION A65-17930
- BIOREGENERATIVE LIFE SUPPORT SYSTEMS, METABOLISM, AND SPACE ENVIRONMENTAL FACTORS N65-18570
- ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL GROWTH OF TOBACCO STEM SEGMENTS NASA-CR-59238 N65-32090
- BIOSELLITE**
- N ASA AND USAF PROGRAMS IN SPACE BIOLOGY, INCLUDING BIOSATELLITES, TO STUDY ENVIRONMENTAL EFFECTS ON VARIOUS ANIMALS A65-28616
- N ASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL, EVOLUTIONARY AND GENETIC EFFECTS OF WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH ROTATION A65-30692
- PROPOSED BIOSATELLITE UTILIZING OPOSSUM FETUSES

- FOR STUDYING WEIGHTLESSNESS EFFECTS
A65-80464
- SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981
- SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF PLANTS FOR USE IN BIOSATELLITE
NASA-CR-62707 N65-23742
- COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE PROGRAMS WITH ANIMALS
N65-28770
- BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE
N65-28771
- CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE PROGRAM
N65-28772
- BIOSENSOR**
S BIOINSTRUMENTATION
- BIOSIMULATION**
SA ARTIFICIAL INTELLIGENCE
- DEEP SPACE VOICE COMMUNICATION SYSTEM USING EAR-BRAIN ANALOG
A65-17486
- CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE MARTIAN CONDITIONS FOR MICROBIOLOGICAL INVESTIGATIONS
A65-25099
- PSYCHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SENSORY DEPRIVATION, PARTICULARLY FOR SPACE TRAVEL
A65-29100
- SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE FOR SPACE FLIGHT
A65-29103
- BIOTECHNOLOGY**
LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS AND VARIABLE EXPENDABLES, CONSIDERING WORKER OUTPUT CHARACTERISTICS
A65-14230
- INCREASED STIMULATION LIMITATIONS IN SENSORY IMPOVERISHED ENVIRONMENT, DISCUSSING OPTIMUM LEVEL OF AROUSAL FOR WORKING EFFICIENCY
A65-26728
- BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND ELECTROMYOGRAM CONTROL STUDIES
REPT-65-14 N65-24004
- BIOTECHNOLOGICAL PROBLEMS ASSOCIATED WITH EXTRAVEHICULAR ACTIVITY IN SPACE
JPRS-30152 N65-24348
- ADVANCED CONCEPTS IN BIOTECHNOLOGY, HUMAN ANALOGS AND BIONICS - HUMAN ANALOG OF VISUAL SENSOR PROVIDED INFORMATION ON MECHANISMS AND PROCESSES CARRIED OUT IN HUMAN EYE
NASA-CR-64177 N65-31050
- PSYCHOMOTOR TEST METHODOLOGY AND PRACTICABILITY FOR PERFORMANCE PROGNOSSES
DLR-FB-65-27 N65-33289
- VISUAL SEARCH EXPERIMENTS - ACUITY, RESPONSE TIME, AND NOISE PERSISTENCE - BIOTECHNOLOGY
NAVWEP-8731 N65-34683
- VISUAL TARGET DETECTION - DEVELOPMENT OF AIR TO GROUND DETECTION/IDENTIFICATION MODEL - BIOTECHNOLOGY
HSR-RR-65/4-DT N65-35430
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION PROBLEMS
NASA-TT-F-9590 N65-35784
- BIOTIN**
TISSUE AND BLOOD SATURATION WITH BIOTIN IN RELATION TO CHARACTER OF MUSCULAR WORK
A65-81963
- BIPROPELLANT**
CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT FACILITATING PROVISION OF PROPULSION, POTABLE WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143
- BIRD**
SA CHICKEN
SA PIGEON
- MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN BIRD, FISH, AND MAMMAL
A65-80424
- MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES
A65-80433
- DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051
- CIRCADIAN RHYTHM OF SELF-SELECTED REST AND ACTIVITY IN CANARY AND EFFECT OF MONOAMINE OXIDASE INHIBITORS AND ENFORCED DARK PERIODS
A65-82044
- WEIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO ACCELERATIVE FORCE
A65-82149
- AEROECOLOGICAL STUDY OF ALBATROSS FLIGHT
N65-12528
- EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS
NRC-TT-1162 N65-28590
- EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT OF ULTRASHORT ELECTROMAGNETIC WAVES ON BIOLOGICAL SUBJECTS
NRC-TT-1161 N65-28815
- BLACK BODY RADIATION**
BLACK BODY AND THERMAL RADIATION FROM NUCLEAR WEAPONS IN RELATION TO FLASH BLINDNESS
A65-26169
- BLACKOUT**
SA SYNCOPÉ
- RESISTANCE CHANGES IN HUMAN BODY, PARTICULARLY IN LOWER EXTREMITIES AS RESULT OF G LOADS
A65-81112
- PROBLEMS OF BLACKOUT DURING AIRCRAFT FLIGHT
A65-81825
- BLAST**
HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA
A65-80187
- MECHANISM OF BLAST INJURY TO EAR
A65-81201
- BLINDNESS**
SA FLASH BLINDNESS
SA VISION
- SONAR SYSTEM OF BLIND PERSONS - SIZE DISCRIMINATION
A65-81155
- BLOOD**
EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE BLOOD AND ERYTHROCYTES
A65-21941
- INTENSITY AND DURATION OF BENDS PAINS DETERMINED BY SIMULATED ORBITING LABORATORY FLIGHTS OF VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN DISSOLVED IN BLOOD
A65-24074
- X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF BLOOD
A65-24296

- HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
- INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION IN HUMANS DURING EXERCISE AS PREDICTED FROM PH AND CARBON DIOXIDE TENSION A65-80198
- PULMONARY DIFFUSING CAPACITY AND CAPILLARY BLOOD VOLUME IN NORMAL AND ANEMIC DOG A65-80313
- PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND VARIOUS ORGANS IN RATS A65-80394
- SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF SLEEPING DONOR A65-80454
- ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY LIPEMIA AND HEPARIN A65-80668
- PLASMA FREE FATTY ACID TURNOVER IN DOG DURING EXERCISE AS RELATED TO PHYSICAL CONDITION AND BLOOD LACTATE A65-80680
- CHANGES IN RESPIRATION DURING ACCLIMATIZATION IN INTERIOR OF ANTARCTICA A65-80709
- IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND BLOOD CHANGES OF TURTLE, PSEUDOMYS SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES A65-80897
- BLOOD CHANGES, HEART FUNCTION AND PULMONARY RESPONSE TO ALTITUDE IN ACCLIMATIZED MEN A65-80974
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY IONIZING RADIATION AND VIBRATION DURING SPACE FLIGHT, IN VARIOUS ANIMALS A65-80979
- ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND EPINEPHRINE A65-81025
- BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED BY HYPOXIA A65-81026
- CONTINUOUS SAMPLING OF ARTERIAL BLOOD OF UNANESTHETIZED ANIMALS A65-81152
- INFLUENCE OF SEASONAL VARIATION, DIET, AND PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN ANTARCTICA A65-81308
- LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE DURING AND FOLLOWING PHYSICAL ACTIVITY A65-81352
- APPARATUS FOR COLLECTING BLOOD SAMPLES FROM SUBJECTS DURING CENTRIFUGAL ACCELERATION A65-81443
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA MONAX - BIOCHEMICAL AND PHARMACOLOGICAL INVESTIGATIONS OF BLOOD AND BROWN FAT A65-81457
- RELATIVE VISCOSITY AND OTHER FUNCTIONS OF BLOOD OF HIBERNATING AND ACTIVE ARCTIC GROUND SQUIRRELS, CITELLUS UNDULATUS A65-81461
- CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR ARTERIAL BLOOD ANALYSIS A65-81492
- MIXED VENOUS CARBON DIOXIDE TENSION DETERMINED BY CARBON DIOXIDE REBREATHING METHOD - INFLUENCE OF REBREATHING TIME A65-81508
- BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS AND MUSCULAR EXERCISE A65-81603
- METHOD FOR DETERMINATION OF BLOOD DEHYDRASE ACTIVITY IN LEAD POISONING A65-81621
- POLAROGRAPHIC DETERMINATION OF OXYGEN CONTENT AND CAPACITY IN BLOOD SAMPLE A65-81637
- COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL DURING COLD EXPOSURE IN HIBERNATING AND NON-HIBERNATING RODENTS A65-81707
- PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS, AND BLOOD OF RAT. A65-81746
- BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT A65-81771
- BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING HYPOTHERMIA IN DOGS A65-81795
- ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO ANOXIA A65-81796
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN DOG A65-81797
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND HYPOTHERMIA IN DOG A65-81839
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18 ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER CURVE A65-81902
- NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES, GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN MICE EXPOSED TO ACCELERATION STRESS A65-81948
- DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN ALBINO RATS A65-82048
- RATE OF CHANGE OF CARBON DIOXIDE TENSION IN ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN PATIENTS A65-82073
- TEMPERATURE REGULATION IN COLD AND WARM ADAPTED RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD PRECOOLING A65-82146
- EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS IN DOGS A65-82182
- EFFECT OF ULTRAHIGH FREQUENCY RADIATION IN FORMED ELEMENTS OF BLOOD IN MEN A65-82185
- WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF DOG DURING EXPOSURE TO TWO LEVELS OF PULSED MICROWAVES A65-82364
- INFLUENCE OF BLOODLETTING ON BONE MARROW FUNCTION DURING RADIATION SICKNESS JPRS-27293 N65-10306
- VESTIBULAR APPARATUS REGULATION OF BLOOD SUGAR LEVEL N65-13660
- BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF ANIMAL BLOOD AFTER LUNG REMOVAL N65-17782
- COMPENSATION MECHANISMS IN CHRONIC OXYGEN DEFICIENCY IN BLOOD CIRCULATORY SYSTEM N65-17791
- CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI

SUBJECT INDEX

BLOOD CIRCULATION

- RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA PATIENTS N65-17801
- CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS IN HIGH ALTITUDE ENVIRONMENT N65-17824
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY JPRS-29156 N65-19645
- EFFECT OF BED REST ON BLOOD VOLUME, URINARY VOLUME, AND URINARY ELECTROLYTE EXCRETION NASA-CR-181 N65-20473
- BLOOD OXYGEN CHANGES INDUCED BY FORWARD ACCELERATION AMRL-TR-64-132 N65-21039
- INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES, AND BONE MARROW OF RABBITS EXPOSED TO RADIATION N65-21211
- OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL REVIEW BNL-898 N65-23230
- BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE NASA-TT-F-9338 N65-23678
- GAS CHROMATOGRAPHY IN CONJUNCTION WITH MODIFIED VAN SLYKE APPARATUS FOR DETERMINING SMALL VOLUMES OF NITROGEN IN DISSOLVED BLOOD SAM-TR-65-6 N65-23841
- OXYGEN DELIVERY RATE OF HUMAN BLOOD SAM-TR-64-89 N65-24592
- PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY EXPOSURE OF STAINED BLOOD FILMS UR-663 N65-24622
- PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION JPRS-30015 N65-25025
- EXCITATION STATE OF CENTRAL NERVOUS SYSTEM REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD SERUM PROTEINS - ELECTROKINETICS N65-25615
- SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE TO HEMOGLOBIN IN RAT AND PIGEON BLOOD N65-26380
- MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL BLOOD VESSELS UPON EXPOSURE TO IONIZING RADIATION N65-26394
- RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM NASA-CR-63423 N65-26409
- CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM, AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND RADIOACTIVE TRACING MEASUREMENTS AAL-TDR-64-14 N65-27531
- IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND 1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND LIVER TISSUE ENZYME ACTIVITIES AMRL-TR-65-19 N65-27575
- CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION OF RADIOACTIVE ISOTOPES JPRS-31007 N65-28223
- EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC ORGANS OF WHITE RATS JPRS-31047 N65-28357
- EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL PROPERTIES OF ANIMAL BLOOD N65-28701
- ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY ANIMALS AND ANIMALS WITH RADIATION SICKNESS N65-28704
- ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION, COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY N65-28706
- NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD EFFECTS IN DOGS AND ANIMALS DURING ELECTRONARCOSIS JPRS-31018 N65-28808
- EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE OF BLOOD IN NORMAL PERSONS NASA-TT-F-9439 N65-29726
- DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE IN BLOOD SERUM - TOXICOLOGY AMRL-TDR-64-24 N65-31864
- BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC MOUTH DISEASES FTD-TT-65-530/164 N65-33755
- BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA IN DOGS SUBJECTED TO HEMORRHAGING JPRS-31781 N65-35017
- GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD CELLS N65-36114
- BLOOD CIRCULATION**
- SA BRAIN CIRCULATION
 - SA CAPILLARY CIRCULATION
 - SA CARDIORESPIRATORY SYSTEM
 - SA CARDIOVASCULAR SYSTEM
 - SA CIRCULATORY SYSTEM
 - SA CORONARY CIRCULATION
 - SA OCULAR CIRCULATION
 - SA PERIPHERAL CIRCULATION
- PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF CLINICAL CORONARY ARTERY DISEASE A65-22904
- BLOOD DISPLACEMENT UNDER G FORCES APPLIED LONGITUDINALLY TO HUMAN BODY MEASURED, USING ELECTRIC IMPEDANCE CHANGES IN LOWER EXTREMITIES A65-26417
- FLUID METABOLISM AND CIRCULATION DURING AND AFTER WEIGHTLESSNESS A65-26744
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN SATURATION DECREASE DUE TO PULMONARY ARTERIAL-VEINOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO FORWARD ACCELERATION A65-29057
- EOSINOPHIL LEVELS IN PERIPHERAL BLOOD AFTER STATIC AND DYNAMIC WORKLOADS A65-80002
- ALVEOLAR HYPOXIA EFFECT ON PULMONARY VASCULAR RESISTANCE OF DOG A65-80057
- CARBON DIOXIDE AND PULMONARY VENTILATION IN MUSCULAR EXERCISE OF DOG A65-80071
- OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG BREATHING 100 PERCENT OXYGEN A65-80072
- WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND SECONDARY PHYSIOLOGICAL RESPONSE IN MAN A65-80088
- ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE TO NOREPINEPHRINE A65-80180
- LIMB CIRCULATORY RESPONSE TO HYPOCAPNIA IN ANESTHETIZED DOG AS AFFECTED BY PHENOLXYBENZAMINE

- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION, CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL RESPONSE A65-80227
 A65-80235
- DIGITAL BLOOD FLOW DURING COLD WATER IMMERSION OF HAND A65-80302
- BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS, AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL HYPEREMIA OF SKELETAL MUSCLE OF DOG A65-80610
- BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW RELATIONS OF WHOLE DOG LUNG A65-80664
- RELATIONSHIP BETWEEN CEREBRAL CORTEX, HYPOTHALAMUS AND MEDULLA OBLONGATA IN REGULATING BLOOD PRESSURE IN CATS A65-80761
- CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN SUBJECTS WITH UNILATERAL INTERNAL CAROTID OBSTRUCTION A65-81027
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS A65-81135
- RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN YOUNG PERSONS DURING PHYSICAL EXERCISE A65-81229
- INFLUENCE OF ULTRASOUND ON PERMEABILITY OF BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN RABBITS A65-81289
- EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND VASODILATORS IN REACTIVE HYPEREMIA IN DOGS A65-81450
- SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE IRRADIATION A65-81453
- ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN HIBERNATION FOR 14, 28 AND 56 DAYS A65-81462
- RESPONSE MECHANISM IN DOGS OF CIRCULATION AND CARDIOVASCULAR SYSTEM TO HYPOXIA A65-81502
- RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD FLOW, AND BODY TEMPERATURE IN WORK A65-81631
- RELATIONSHIP BETWEEN FOUR METHODS OF STUDYING CUTANEOUS BLOOD CIRCULATION A65-81633
- EFFECT OF DRY HEAT ON CEREBRAL BLOOD CIRCULATION IN MAN A65-81691
- VENOUS ADMIXTURE AND SIZE OF MORPHOLOGICAL SHUNTS DURING MODERATE EXERCISE A65-81695
- EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND CIRCULATION A65-81718
- NATURE AND CAUSE OF HYPEREMIA AND OTHER CIRCULATORY RESPONSE TO PHYSICAL EXERCISE A65-81720
- STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY RESPIRATION, POSTURE, AND VASCULAR OCCLUSION MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899
- FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS A65-81909
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
- COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT CARBON DIOXIDE, AND EPINEPHRINE A65-81910
 A65-82017
- AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD CIRCULATION, AND BODY HEAT REGULATION A65-82031
- RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN DOG DURING CHANGE FROM SUPINE TO ERECT POSITION AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING WEIGHTLESSNESS SIMULATION A65-82115
- TIME DERIVATIVE OF PRESSURE RELATED TO INSTANTANEOUS AORTIC BLOOD FLOW IN DOG A65-82147
- RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION WITH OR WITHOUT OXYGEN BREATHING A65-82220
- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA VASCULARIS, AND SOUND STIMULATION A65-82269
- ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS A65-82274
- MEDICAL INVESTIGATIONS OF CIRCULATION, NERVOUS, AND DIGESTIVE SYSTEMS IN HEALTHY AND DISEASED HUMANS AND ANIMALS JPRS-27178 N65-10212
- PROBABILITY DISTRIBUTION OF ACCUMULATED RADIATION DOSE IN BLOOD DIVERTED THROUGH SHUNT D1-82-0362 N65-10964
- ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF NERVOUS SYSTEM FTD-TT-63-1170/1&2 N65-11760
- FUNCTIONAL EVALUATION OF BLOOD CIRCULATION AND USE IN SELECTING AND TRAINING FLYING PERSONNEL N65-13652
- EFFECTS OF RESPIRATION WITH HIGH PRESSURE IN LUNGS ON BLOOD FLOW RATE N65-13686
- ANIMAL STUDIES ON EFFECTS OF CENTRIFUGAL ACCELERATION STRESS ON CEREBRAL BLOOD FLOW N65-13702
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION N65-13737
- REACTION OF BLOOD SYSTEM OF DOG TO REDUCED BAROMETRIC PRESSURE N65-13740
- APPLICATION OF DYNAMIC OSCILLATOR PRINCIPLES TO BLOOD CIRCULATION CYCLE EFFECT ON HUMAN BODY SURFACE TEMPERATURE REGULATION NASA-CR-59990 N65-13861
- BIOLOGICAL SERIES IN DYNAMICS OF BLOOD CIRCULATION AND EMOTIONAL STRESS ON COSMONAUTS DURING SPACE FLIGHTS FTD-TT-64-534/1&2&4 N65-14526
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL GRAVITATIONAL LOADS N65-14527
- CHANGES IN TEMPORAL AND ORBITAL CIRCULATION IN PATIENTS WITH LESIONS OF CAROTID AND VERTEBRAL ARTERIES OF HEAD - PLETHYSMOGRAM AND RHEOENCEPHALOGRAPH DATA NASA-TT-F-295 N65-16593
- CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN

SUBJECT INDEX

BLOOD PRESSURE

- TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING
BY RADIO OF PULSE WAVE DIFFUSION SPEED
JPRS-28549 N65-17722
- SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN
MECHANISM OF RESPIRATION AND BLOOD CIRCULATION
IN HYPOXIA N65-17776
- OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY N65-17787
- HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION
OBSTRUCTION BY HEART TISSUE N65-17788
- COMPENSATION MECHANISMS IN CHRONIC OXYGEN
DEFICIENCY IN BLOOD CIRCULATORY SYSTEM
N65-17791
- MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIOELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD
CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH
JPRS-30405 N65-24889
- BODY AND BLOOD TEMPERATURE CHANGES IN PATIENTS
UNDER CONDITIONS OF ARTIFICIAL BLOOD CIRCULATION
WITH MODERATE HYPOTHERMIA N65-24891
- BLOOD CIRCULATION IN MICE AND RATS TRACED FOR
DETERMINING INFLUENCE OF ANTIRADIATION DRUGS
ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN
IN ORGANS N65-26390
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
SYSTEM AND OBSERVATIONS OF MAMMALIAN
MICROCIRCULATION
NASA-CR-67225 N65-35105
- ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND
RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES
NASA-TT-F-9594 N65-36753
- CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY
VERTICAL POSITION OR GYRATION - BLOOD
CIRCULATION
NASA-TT-F-9715 N65-36759
- BLOOD COAGULATION
BLOOD CLOTTING IN HUMANS AS AFFECTED BY PHYSICAL
EXERCISE IN COLD ENVIRONMENT A65-81141
- BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD
POISONING OF RABBITS A65-81255
- BLOOD FLOW
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
IMPEDANCES A65-10727
- EQUATIONS FOR MEASURING BLOOD FLOW BY EXTERNAL
MONITORING OF RADIOISOTOPES A65-81119
- TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS
A65-81358
- CHANGES IN REGIONAL BLOOD FLOW AND BLOOD VOLUME
DURING AROUSAL FROM HIBERNATION IN GROUND
SQUIRREL, CITELLUS TRIDECIMLINEATUS
A65-81458
- NATURE AND CAUSE OF MUSCULAR HYPEREMIA DURING
PHYSICAL EXERCISE IN CATS A65-82069
- BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH
MOUNTAIN ENVIRONMENT ACCLIMATIZATION
N65-17821
- BLOOD FLOW CONSIDERED AS HARTMANN FLOW FOR
INHIBITION BY MAGNETIC FIELD
JPRS-30635 N65-25876
- BLOOD FLOW TIME DETERMINATION BY OXYHEMOGRAM
RECORDING ON OSCILLOGRAPH
JPRS-31093 N65-28878
- RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW
IN CEREBRAL VEINS OF RABBITS N65-31377
- BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER
TO DETERMINE CARDIAC OUTPUT
NASA-CR-58985 N65-32091
- BLOOD PLASMA
IMMUNOADSORBENT SYNTHESIS FOR ISOLATING PURINE-
SPECIFIC ANTIBODIES FROM BLOOD SERUM
A65-25911
- LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073
- WATER IMMERSION EFFECT ON HUMANS - PLASMA VOLUME
AND ELECTROLYTE CHANGES A65-81066
- HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING
EXERCISE A65-81084
- PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294
- AGE FACTOR IN RETENTION OF CALCIUM IN BLOOD PLASMA
A65-81385
- CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606
- EFFECT OF PHYSICAL EXERCISE ON BLOOD PLASMA LEVEL
OF 17-HYDROXYCORTICOSTEROIDS IN MAN
A65-81955
- KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD
PLASMA DURING EARLY PERIOD OF STARVATION IN MAN
A65-82249
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL
INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS
BED REST AND PHYSICAL EXERCISE A65-82367
- COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS
BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT
VARIOUS OXYGEN PRESSURES N65-17816
- RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828
- BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- BIOCHEMICAL MICROTCHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE
LF-22 N65-25292
- AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS
WITH ACUTE RADIATION SICKNESS
FTD-TT-65-383/164 N65-33411
- BLOOD PRESSURE
SA HYPERTENSION
SA HYPOTENSION
- NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND
DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND
AUSCULTATORY METHODS A65-10726
- PRECARDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA
IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR
ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING
HEMODYNAMIC EVENTS DURATION A65-22329
- ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR A65-24077
- VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN
PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION
METHOD, EXAMINING EFFECT ON BLOOD PRESSURE
A65-26747
- EKG AND BLOOD PRESSURE STUDIES IN MILITARY JET

- PILOTS BEFORE AND AFTER FLIGHT A65-30139 N65-16606
- BIOINSTRUMENTATION DEVELOPMENT FOR MONITORING
PHYSIOLOGICAL DATA IN HIGH PERFORMANCE AIRCRAFT A65-36047
- CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016
- AUTONOMIC CORRELATES OF ELECTRICAL
EXCITABILITY OF EYE A65-80250
- SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER
PREFERRERS REFLECTED THROUGH BLOOD PRESSURE
AND SKIN TEMPERATURE DIFFERENCES A65-80350
- RESPONSE OF RIGHT ATRIAL PRESSURE TO VALSALVA
MANEUVER AFTER INFUSION OF NOREPINEPHRINE A65-80663
- INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS A65-80673
- RELATIONSHIP BETWEEN CEREBRAL CORTEX, HYPOTHALAMUS
AND MEDULLA OBLONGATA IN REGULATING BLOOD PRESSURE
IN CATS A65-80761
- EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT A65-80934
- RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT
TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT
NERVES A65-81024
- INDIRECT BLOOD PRESSURE MONITORING A65-81053
- VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE A65-81064
- PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC A65-81140
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD
PRESSURE, ELECTROCARDIOGRAM, AND
ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE
MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS A65-81358
- HEART RATE AND BLOOD PRESSURE CHANGES IN JET
PILOTS A65-81442
- CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING
COLD PRESSOR TEST A65-81600
- OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO
BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO
BLOOD FLOW A65-81894
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER A65-81910
- INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS A65-82092
- CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID,
CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE
OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT
DIFFERENT LOADS A65-82165
- INSTRUMENT FOR RECORDING PULSE WAVES AND BLOOD
PRESSURE IN ANIMALS FTD-TT-63-1176/1&2 N65-11900
- ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT
ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR
- CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND
BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE
AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES N65-17829
- BLOOD PRESSURE NORMS FOR NATIVE MOUNTAIN
INHABITANTS N65-17835
- RELATION BETWEEN SYSTEMIC BLOOD PRESSURE AND
INTRAOCULAR PRESSURE JPRS-29756 N65-22112
- ELECTRONIC BLOOD PRESSURE MEASURING SYSTEM FOR
MERCURY PROJECT NASA-CR-65057 N65-29782
- TRANSDUCER TO MEASURE BLOOD PRESSURE FOR
APPLICATION ON SUPERFICIAL TEMPORAL ARTERY
NASA-CR-293 N65-32277
- VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE
DETERMINATION - AEROSPACE MEDICINE SAM-TR-65-27 N65-35036
- CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS
ON OSCILLOGRAPHS NASA-TT-F-9581 N65-35782
- NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE
WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
NASA-TT-F-9578 N65-36751
- BLUE-GREEN ALGAE
- EFFECT OF NITROGENOUS COMPOUNDS UPON GROWTH AND
ATMOSPHERIC OXYGEN UPTAKE IN BLUE-GREEN ALGAE A65-80766
- ALGAL CULTURE TECHNIQUE AND PHYTOPLANKTON ECOLOGY A65-81163
- GROWTH OF ALGAE IN SEWAGE WATER - SOIL BACTERIA
GROWTH STIMULATION BY BLUE-GREEN ALGAE FTD-TT-65-66/1&2 N65-31421
- GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL
MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE N65-31422
- BODY
- S HUMAN BODY
- S REENTRY BODY
- S ROTATING BODY
- S SELF-LUMINOUS BODY
- BODY COMPOSITION /BIOL/
- PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC A65-81140
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION,
AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO
HEAT AND COLD A65-81604
- BODY FLUID
- SA LYMPH
- SA WATER
- FLUID METABOLISM AND CIRCULATION DURING AND AFTER
WEIGHTLESSNESS A65-26744
- CELLULAR SECRETION AND ABSORPTION PROCESS OF
ENDOLYMPH IN VESTIBULAR APPARATUS OF PIGEON A65-82172
- ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN
BIOLOGICAL FLUIDS KR-80 N65-30572
- COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS REPT.-282 N65-34517

SUBJECT INDEX

BODY TEMPERATURE /BIOL/

BODY KINEMATICS

MECHANISMS OF SHOULDER MOVEMENT

A65-80988

INTRODUCTION TO BIOMECHANICS OF BODY BEHAVIOR

A65-81032

MOTION COMPONENTS IN RHYTHMICAL MOTOR TASK WITH
DIFFERENT LOADS AND AT VARIABLE FREQUENCY OF
STRIKE MOTION IN MAN

A65-82247

BODY POSITION OF ANIMALS IN WEIGHTLESSNESS

N65-13701

BODY MEASUREMENT /BIOL/

SA ANTHROPOMETRY

SA ELECTROCARDIOGRAPHY

SA ELECTROPLETHYSMOGRAPHY

BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT

A65-10544

ELECTRICAL MODEL OF HUMAN HEART, USING FOUR
CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE
POTENTIALS

A65-10735

HUMAN BODY EXTREMITY CUFF-TOURNIQUET EFFECTS ON
TILT TABLE TOLERANCE TAKEN AFTER 6 HOURS OF WATER
IMMERSION

A65-24078

HEART MINUTE VOLUME DURING PHYSICAL EXERCISE AS
INFLUENCED BY BODY SURFACE AREA AND AGE

A65-81348

BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING
PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE
AREA FORMULAS

A65-81696

BODY SIZE /BIOL/

EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY

A65-80632

RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY
VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY
WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS

A65-80666

A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
SAFE OPERATION TIME AS AFFECTED BY SIZE OF
SUBJECTS PERFORMING TRACKING PROBLEM UNDER
ACCELERATION STRESS

A65-81373

BODY TEMPERATURE /BIOL/

SA HYPERTHERMIA

SA HYPOTHERMIA

SA SKIN TEMPERATURE /BIOL/

ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF
PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF
POCKET MICE

A65-19519

MICROWAVE HEATING IN MAN AND ANIMALS FOR VARIOUS
INTENSITIES AND EXPOSURE TIMES

A65-29059

HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE,
PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND
PERFORMANCE

A65-29990

G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS

A65-31345

BODY TEMPERATURE AND HEAT GENERATION DURING RADIAL
ACCELERATION STRESS IN RAT

A65-80050

BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN
RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS

A65-80067

HEART RATE, BODY TEMPERATURE, AND SWEAT RATE
RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND
CAUCASIANS

A65-80068

OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY
TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE
EXERCISE

A65-80077

OXYGEN CONSUMPTION, BODY TEMPERATURE, AND
SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND
WITHOUT VOLUNTARY HYPERVENTILATION

A65-80083

CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE

A65-80325

BODY TEMPERATURE CHANGES AND EFFECT ON
THETA RHYTHM IN RAT HIPPOCAMPUS

A65-80330

LOCAL MUSCULAR ENDURANCE AS AFFECTED BY RAISING
BODY TEMPERATURE THROUGH PHYSICAL ACTIVITY

A65-80523

ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS

A65-80678

TELEMETERING HYPOTHALAMIC TEMPERATURES OF
UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT
ENVIRONMENTS

A65-80682

PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL
ACTIVITY IN HOT ENVIRONMENT AND RELATION TO
APPETITE AND BODY TEMPERATURE

A65-80900

HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS
PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING
DAY AND NIGHT IN DESERT ENVIRONMENT

A65-80907

NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN
UNDER COMBINED RESTRICTION OF FOOD AND WATER
DURING EXERCISE IN AIR CONDITIONED ROOM

A65-80969

HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS

A65-81135

CORE TEMPERATURE INFLUENCE UPON DURATION OF
HIBERNATION OF GROUND SQUIRREL, CITELLUS
LATERALIS

A65-81139

PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC

A65-81140

COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS

A65-81222

DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA,
INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING
ANIMALS AS RELATED TO BODY TEMPERATURE

A65-81469

SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT
OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA
AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES

A65-81622

RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK

A65-81631

BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE,
NEGATIVE, AND TRANSVERSE ACCELERATION

A65-81667

RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION

A65-81798

DEVELOPMENT OF PYROGENIC MECHANISM RELATED TO
HEAT REGULATION IN GROWING RABBITS AND GUINEA
PIGS

A65-81879

CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL

A65-81930

HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE

A65-81945

CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL
RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS

BODY TEMPERATURE REGULATION

SUBJECT INDEX

- LEVELS A65-82161 A65-80635
- ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION A65-82162 A65-80691
- TEMPERATURE REGULATION IN YOUNG WOMEN A65-82163
- WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF DOG DURING EXPOSURE TO TWO LEVELS OF PULSED MICROWAVES A65-82364
- BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL INDICES, AND SURVIVAL OF DOG DURING X-RAY IRRADIATION OF LOWER BODY A65-82365
- APPLICATION OF DYNAMIC OSCILLATOR PRINCIPLES TO BLOOD CIRCULATION CYCLE EFFECT ON HUMAN BODY SURFACE TEMPERATURE REGULATION NASA-CR-59990 N65-13861
- BODY-CHARACTERISTICS EFFECT ON HUMAN TEMPERATURE RESPONSES TO HIGH ALTITUDE COLD AD-422588 N65-15129
- BODY AND BLOOD TEMPERATURE CHANGES IN PATIENTS UNDER CONDITIONS OF ARTIFICIAL BLOOD CIRCULATION WITH MODERATE HYPOTHERMIA N65-24891
- INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR BODY TEMPERATURE CONTROL NASA-CR-63399 N65-26418
- COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL AND REVIEW OF BODY HEAT CONTROL SYSTEM N65-29768
- SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL BODY TEMPERATURE WITHOUT ALTERING NORMAL PHYSIOLOGY FTD-TT-65-74/1&2 N65-30489
- ELEVATION OF INTERNAL BODY TEMPERATURES DURING TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM REPT.-1 N65-33342
- BODY TEMPERATURE REGULATION
- PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF HUMAN BODY LOCATED IN FRONT SECTION OF HYPOTHALAMUS A65-25075
- MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066
- SKIN AND CORE TEMPERATURES CHANGES RELATED TO THERMOREGULATION IN MAN A65-80273
- NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR MEN AT WORK IN HOT CONDITIONS A65-80274
- PHYSICAL INSULATION OF HEALTHY MEN AND WOMEN OVER 60 YEARS A65-80275
- RECTUM, LOWER ESOPHAGUS, AND TYMPANUM TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM OF SUBJECTS DURING REST AND WORK UNDER HOT AND COLD ENVIRONMENTAL TEMPERATURES A65-80276
- SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN ACCLIMATIZATION TO WORK IN HEAT A65-80304
- SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL A65-80323
- ROLE OF MUSCULAR CONTRACTIONS IN CHEMICAL THERMOREGULATION IN ALBINO RATS UNDER HYPOXIC CONDITIONS A65-80603
- ASSESSMENT, MANAGEMENT AND CONTROL OF HEAT STRESS
- EXERCISE HYPERTHERMIA AND THERMOREGULATION IN MAN A65-80691
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION, AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE TO HOT ENVIRONMENTS A65-80962
- THERMOREGULATION IN DOG DURING INTERNAL COOLING AFTER SECTION OR COLD BLOCKADE OF VAGAL NERVES A65-81351
- THERMAL MANIKIN FOR SIMULATION OF ASTRONAUT THERMOREGULATION SYSTEM AND SPACE SUIT DESIGN A65-81388
- THERMOGENIC FUNCTION OF BROWN ADIPOSE TISSUE OF RAT EXPOSED TO COLD A65-81471
- RELATION BETWEEN TORPOR CYCLE AND HEAT EXCHANGE IN CALIFORNIA POCKET MOUSE, PEROGNATHUS CALIFORNICUS A65-81680
- THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS CENTER IN HYPOTHALAMUS A65-81769
- INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN ENVIRONMENTAL TEMPERATURE A65-81912
- AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD CIRCULATION, AND BODY HEAT REGULATION A65-82031
- TEMPERATURE REGULATION IN COLD AND WARM ADAPTED RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD PRECOOLING A65-82146
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS LEVELS A65-82161
- EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN ANIMALS N65-13633
- PHYSIOLOGICAL ASPECTS OF HYPOXIA AND CHEMICAL THERMOREGULATION N65-13688
- DEGREE OF PRESSURE EXERTED BY THERMOREGULATORY MECHANISMS OF BODY IN ORDER TO FORESTALL SERIOUS DISORDERS CAUSED BY OVERHEATING OR SUPERCOOLING N65-13721
- APPLICATION OF DYNAMIC OSCILLATOR PRINCIPLES TO BLOOD CIRCULATION CYCLE EFFECT ON HUMAN BODY SURFACE TEMPERATURE REGULATION NASA-CR-59990 N65-13861
- THERMOREGULATORY PHYSIOLOGICAL DEFENSE MECHANISMS AND MOLECULAR ENERGY TRANSFORMATION OF HUMAN BODY NASA-CR-52183 N65-16487
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE - AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL, CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS, AND BEHAVIORAL ORGANIZATION NASA-CR-219 N65-23813
- THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL FACTORS WHICH AFFECT THERMOREGULATION - STUDIES USING LAWS OF CYBERNETICS N65-24876
- BODY WEIGHT
- OXYGEN CONSUMPTION DURING EXERCISE WITHOUT BODY LIFTING AGAINST GRAVITY, NOTING CORRELATION WITH BODY WEIGHT AND SURFACE AREA A65-16562
- COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL PROTEIN CONTENT, AND ENZYMATIC ACTIVITY OF BROWN FAT OF HAMSTERS A65-80096
- OXYGEN COST OF WORK PERFORMED IN DIFFERENT POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST GRAVITY A65-80384

SUBJECT INDEX

BONE MARROW

RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS
A65-80666

STARVATION IN NORMAL OBESE SUBJECTS PERFORMING ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN RELATION TO SURVIVAL
A65-80729

NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING PERFORMANCE, BODY WEIGHT, MORTALITY, AND ATHEROMATOSIS IN RATS
A65-80936

NITROGEN AND WEIGHT LOSSES DURING STARVATION IN OBESITY
A65-80989

BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED BY HYPOXIA
A65-81026

FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION, AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO HEAT AND COLD
A65-81604

SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES
A65-81622

RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED BY ACCELERATION
A65-82207

WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF DOG DURING EXPOSURE TO TWO LEVELS OF PULSED MICROWAVES
A65-82364

BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL INDICES, AND SURVIVAL OF DOG DURING X-RAY IRRADIATION OF LOWER BODY
A65-82365

PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
A65-831022

CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT DURING ENVIRONMENTAL CHANGES
A65-834134

BONE

SA JOINT /BIOL/
SA SKELETON

MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE FROM SACRIFICED MALE RAT FEMURS IN VITRO
A65-16559

SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC PRESSURE
A65-81174

ALTITUDE ACCLIMATIZATION EFFECTS SKELETAL BONE AND BONE MARROW IN DOGS
A65-81475

COMPARATIVE STUDIES OF AUDIOMETRIC BONE CONDUCTION AS INDICATOR OF HEARING IMPAIRMENT
A65-81504

IMPORTANCE OF OSTEOARTICULAR DISEASE IN AVIATION MEDICINE
A65-81829

BONE-CONDUCTED TONES MASKED BY AIR-CONDUCTED NOISE
A65-82023

INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS
A65-82298

SOUND TRANSMISSION IN HUMAN EAR AND NON-OTOSCLEROTIC OSSICLE FIXATION
A65-82309

CALCIUM ACCRETION AND BONE FORMATION IN DOGS
A65-18088

DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE AND CARTILAGE
A65-18090

BED REST EFFECT ON VARIOUS PARAMETERS OF

PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM BALANCE
NASA-CR-182
A65-20474

INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
A65-26396

STRONTIUM 90 IN HUMAN BONE - RADIATION HAZARD EVALUATION
REPT.-10
A65-29860

THEORETICALLY CALCULATED VALUES OF IONIZATION INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3
A65-29924

BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE
AMRL-TR-65-11
A65-30036

BONE DEMINERALIZATION STUDIES OF GEMINI IV CREW USING RADIOGRAPHIC BONE DENSITOMETRY
A65-36106

STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND DIETS OF CHILDREN
A65-36616

BONE MARROW

SA LEUKEMIA

HYPOXIA EFFECT ON SUCCESS OF SECOND HOMOLOGOUS GRAFT OF BONE MARROW IN PREVIOUSLY IRRADIATED AND GRAFTED MICE
A65-12885

ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA CELL GROWTH IN VITRO
A65-14607

RADIATION PROTECTION EFFECTS OF AET AND 5- MOT AS FUNCTION OF MARROW CELLS IN MICE
A65-26896

VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS ON BONE MARROW CELL DIVISION OF MICE
A65-32303

COMBINED EFFECT OF VIBRATION AND IONIZING RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW CELLS IN MOUSE
A65-80043

COMBINED ACTION OF X-RAY RADIATION AND VIBRATION ON BONE MARROW CELL MITOSIS OF MOUSE
A65-80535

INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE HYPOXIA
A65-80835

EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON MITOSIS OF BONE MARROW CELLS IN MICE
A65-80922

HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE MARROW OF MICE TWICE IRRADIATED WITH COBALT 60 DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE MARROW
A65-81265

EFFECT OF PROTECTORS ON BONE MARROW REGENERATION AFTER IRRADIATION BY SUBLETHAL DOSES OF X-RADIATION
A65-81551

REGENERATION OF BONE MARROW AFTER IRRADIATION BY 600 MEV PROTONS AND X-RAY IN ALBINO MICE
A65-81627

EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN RABBITS
A65-82030

EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW CELLS IN MICE
A65-82078

INFLUENCE OF BLOODLETTERING ON BONE MARROW FUNCTION DURING RADIATION SICKNESS
JPRS-27293
A65-10306

DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME REPLICATION IN CAT BONE MARROW CELLS

BORON COMPOUND

SUBJECT INDEX

- USNRDL-TR-779 N65-11959
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND X-RAYS ON MAMMALIAN BONE MARROW CELLS N65-15446
- OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE N65-18089
- THIOL PRETREATMENT AND BONE MARROW TRANSPLANT EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL DOSES OF IONIZING RADIATION IN MONKEYS N65-18387
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER REGENERATION, BONE MARROW TRANSPLANTATION IN RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS JPRS-29250 N65-20139
- INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES, AND BONE MARROW OF RABBITS EXPOSED TO RADIATION N65-21211
- PREVENTION OF INFECTIONS AND HEMORRHAGIC MANIFESTATIONS FOLLOWING SEVERE RADIATION DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES N65-25661
- SHIFT IN DISTRIBUTION OF BODY NITROGEN IN IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS N65-25662
- RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN AND BONE MARROW AFTER TOTAL BODY IRRADIATION - VITRO ASSAY SYSTEM SAM-TR-65-14 N65-26240
- COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS ON NUCLEI OF BONE MARROW CELLS IN MAMMALS N65-31388
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED SUSPENSION CULTURES OF RAT BONE MARROW CELLS EUR-2415.E N65-32144
- EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE OXIDATION BY RAT SPLEEN AND BONE MARROW SUSPENSIONS SAM-TR-65-29 N65-34260
- BORON COMPOUND**
- BORON COMPOUNDS TOXIC EFFECTS ON PLANTS, ANIMALS AND HUMAN BEINGS A65-26163
- BOTANY**
- PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH EMPHASIS ON CHEMICAL COMPOSITION AND PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS BEYER FTD-TT-64-636/1&2 N65-28101
- PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON SYNTHESIS AND MULTIPLICATION OF SPECIES N65-28102
- CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER GROWN IN OPEN TANKS N65-28103
- SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC MATERIAL STUDIES NASA-CR-64418 N65-31053
- SURVIVAL OF WINTER ANNUALS IN GROUND CONTAMINATED WITH NUCLEAR RADIATION UCLA-12-555 N65-32824
- CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS AND NONCALCAREOUS SOIL TID-20741 N65-34316
- TISSUE GROWTH OF HIGHER PLANTS IN CONTINUOUS LIQUID CULTURE - USE IN NUTRITIONAL EXPERIMENT WITH WEANLING MICE AMRL-TR-65-101 N65-34492
- BOUNDARY**
- S INTERFACE
- BRADYKININ**
- HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING EXERCISE A65-81084
- BRAIN**
- SA CEREBELLUM
- SA CEREBRAL CORTEX
- SA CEREBROSPINAL FLUID
- SA ELECTROENCEPHALOGRAPHY
- SA HYPOTHALAMUS
- SA INTRACRANIAL PRESSURE
- BRAIN MATURATION CORRELATION WITH ALTITUDE ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK SEIZURES IN RATS A65-16782
- QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL AND LATERAL MAMMILLARY NUCLEI AND RELATED STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF CAT BRAIN, NOTING ULTRASONIC LESIONS A65-30738
- ROLE OF HYPOTHALAMUS ON ERYTHROPOIETIC RESPONSE TO HYPOXIA IN RABBIT A65-80039
- LOCALIZATION OF OPTICAL ILLUSION OF SET IN BRAIN A65-80044
- SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY REACTIONS IN MAN UNDER CONDITIONS OF WEIGHTLESSNESS A65-80089
- POLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING CONDITIONS A65-80090
- INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT BRAIN A65-80360
- CEREBRAL BLOOD SUPPLY AND CEREBRAL OXIDATIVE METABOLISM A65-80363
- MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR APPARATUS IN CATS A65-80437
- SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF SLEEPING DONOR A65-80454
- EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE COMMUNICATION IN MANNED DEEP SPACE FLIGHT A65-80528
- RESPONSE OF VESTIBULAR APPARATUS TO IONIZING RADIATION AND CORIOLIS ACCELERATION IN RABBITS A65-80536
- LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS A65-80591
- CORRELATION OF DIENCEPHALIC AND BULBOVESTIBULAR NYSTAGMOGENIC AREAS A65-80688
- CHARACTERISTICS OF EVOKED POTENTIALS DURING EXTINCTION OF ORIENTING RESPONSE IN DOGS A65-80700
- COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC STIMULATION TRANSMITTED BY THALAMUS NUCLEUS A65-80720
- UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID SYNTHESIS IN BRAIN AND LIVER OF RATS DURING HYPOXIA AND POST-HYPOXIC STATE A65-80721
- RELATIONSHIP BETWEEN CEREBRAL CORTEX, HYPOTHALAMUS AND MEDULLA OBLONGATA IN REGULATING BLOOD PRESSURE IN CATS A65-80761
- RELATIONS BETWEEN ELECTRORETINOGRAMS AND OCCIPITAL POTENTIALS ELICITED BY FLICKERING STIMULI A65-80774
- VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC

SUBJECT INDEX

BRAIN

- ACTIVITY A65-80783
- INTELLIGENCE, PERCEPTUAL INTEGRATION, AND MINOR
HEMISPHERE SYNDROME A65-80807
- CEREBRAL CARBOHYDRATE METABOLISM IN MAN A65-80816
- VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND
BASAL GANGLIA IN CATS A65-80839
- IMPEDANCE CHARACTERISTICS OF CORTICAL AND
SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD
CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- IMPAIRED RECOVERY FROM HYPOTHERMIA INDUCED BY
HYPOXIA IN GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, AFTER HYPOTHALAMIC LESIONS A65-80871
- BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF
DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877
- INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER
EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT
VESTIBULAR APPARATUS A65-80879
- DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID
FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT
SIMULATED ALTITUDE A65-80928
- BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES A65-81156
- SIMPLE MICROMANIPULATOR FOR INSERTION OF
ELECTRODES INTO BRAIN OF EXPERIMENTAL ANIMALS A65-81279
- RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE
NUCLEUS /Diencephalon/ OF CAT TO MOVING VISUAL
PATTERNS A65-81302
- INHIBITION OF NONSPECIFIC SENSORY POTENTIALS IN
CAT FOLLOWING STRIOPALLIDAL AND CAPSULAR
STIMULATION A65-81303
- SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS
/PRAIRIE DOG AND GROUND SQUIRREL/ AND
NONHIBERNATORS /CAT AND GUINEA PIG/ DURING
HYPOTHERMIA A65-81315
- PSYCHOLOGICAL EFFECTS OF CHRONIC MILD HYPOXIA A65-81322
- AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT
BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND
ELEVATED OXYGEN TENSION A65-81362
- TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS A65-81380
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456
- EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON
BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER
CEREBELLAR LOBES IN CATS A65-81544
- SHORT-LATENCY HUMAN MUSCLE AND BRAIN EVOKED
RESPONSES TO CLICKS A65-81635
- PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONIUM AND ALYAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS A65-81673
- EFFECT OF DRY HEAT ON CEREBRAL BLOOD CIRCULATION
IN MAN A65-81691
- CEREBRAL VASCULAR LESION IN CARBON DISULFIDE
POISONING - CASE HISTORY A65-81693
- EFFECT OF OXYGEN INTOXICATION ON VARIOUS AREAS OF
BRAIN IN CATS A65-81875
- SIMULTANEOUS EVALUATION OF QUANTITATIVE WAVE
PATTERNS AND MEAN AMPLITUDE OF BRAIN POTENTIAL BY
COMBINED DATA A65-81881
- AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH
CORTICAL STIMULATION IN LATERAL THALAMUS A65-81926
- WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON
CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO A65-82041
- LITERATURE REVIEW OF STUDIES ON EXPERIMENTAL
CONTROL OF DREAMING A65-82045
- CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS A65-82050
- ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA A65-82052
- OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN
CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS A65-82070
- AUDIOMETRIC ASPECTS AND MULTISENSORY
POWER-FUNCTIONS OF ELECTRONICALLY AVERAGED SLOW
EVOKED CORTICAL RESPONSES IN MAN A65-82136
- NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF
DIENCEPHALIC CENTERS AND TO ROTATORY STIMULATION
OF VESTIBULAR RECEPTORS IN RABBIT A65-82139
- POTENTIAL RESPONSE IN VARIOUS CORTICAL STRUCTURES
DURING FORMATION OF FOOD CONDITIONED REFLEXES TO
ACOUSTIC AND PHOTIC STIMULI IN DOGS A65-82226
- STUDY OF SUBCORTICAL POTENTIALS IN HUMAN PATIENTS
WITH IMPLANTED ELECTRODES A65-82246
- EXPECTANCY WAVE IN BRAIN MECHANISMS AND PERCEPTION A65-82255
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF
CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC
CENTERS IN RABBITS WITH INJURY AND ELECTRIC
STIMULATION A65-82354
- INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT A65-82355
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION A65-82358
- STRUCTURE AND FUNCTION OF CENTRAL NERVOUS SYSTEM
AND MECHANISMS OF BRAIN ACTIVITY
JPRS-27947 N65-13398
- EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN
ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY
FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN
ANIMALS N65-13633
- BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661
- ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY
OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS
AND ACCELERATION STRESS N65-13699
- OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER
EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN
BREATHING CONDITIONS N65-13705
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING
PROCESSES IN BRAIN TISSUES OF RATS N65-13730

BRAIN CIRCULATION

SUBJECT INDEX

- ELECTROENCEPHALOGRAPH - INSTRUMENT FOR RECORDING
ELECTRIC ACTIVITY OF BRAIN N65-15723
- ELECTROENCEPHALOSCOPE - INSTRUMENT FOR OBSERVING
ELECTRIC ACTIVITY OF BRAIN ON CATHODE RAY TUBE
N65-15725
- OXYGEN STARVATION AND ACCELERATION EFFECT ON
CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS
IN BRAIN TISSUE N65-16136
JPRS-28630
- INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN
RESPIRATORY FORMATIONS OF BRAIN N65-17766
- OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS
MIXTURE RESPIRATION - HYPOXIA N65-17769
- MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774
- LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814
- OXYGENATION OF BRAIN TISSUES DURING AIR AND
OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON
DIOXIDE N65-19139
FTD-TT-64-634/162&4
- PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY
OF BRAIN N65-20526
RSIC-298
- STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS N65-22075
SAM-TDR-64-56
- ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND
DRUG ACTION ON BRAIN, LOCALIZATION OF
CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND
MODELING FUNCTIONS OF NERVOUS SYSTEM N65-24230
JPRS-30007
- ELECTROCHEMICAL ACTIVITY OF HUMAN BRAIN AT
CELLULAR LEVEL - MEMGRY N65-25872
JPRS-30676
- ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING
INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON
BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
N65-26142
FTD-TT-65-388/162
- ELECTROPHYSIOLOGICAL IMPLICATIONS OF MODEL OF
GLOBAL FUNCTION USING SIMPLE SIMULTANEITY -
BRAIN FUNCTION STUDIES WITH EEG N65-28767
- CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL
PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE
PROGRAM N65-28772
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS N65-35197
GGC/EE/65-10
- BRAIN CIRCULATION**
- SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482
- CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE
TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION
A65-31007
- LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS A65-80086
- CEREBRAL BLOOD SUPPLY AND CEREBRAL OXIDATIVE
METABOLISM A65-80363
- SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW A65-80674
- OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA
AND BRAIN CIRCULATION A65-81338
- CEREBRAL BLOOD FLOW DURING CHANGES IN BODY
POSITION IN DOGS A65-81858
- HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION
OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON
DIOXIDE INHALATION A65-81957
- CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND
HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE
A65-82164
- BRAIN INJURY**
- BRAIN DISORDERS AND LEVELS OF AMINO
ACIDS OF RAT DURING ANOXIA A65-80230
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION A65-81731
- ADRENOCORTICAL INSUFFICIENCY AND HYPERFUNCTION
RESISTANCE TO CARBON MONOXIDE POISONING
JPRS-30295 N65-24690
- OVERVIEW OF RESEARCH IN PHYSIOLOGICAL,
EXPERIMENTAL, DEVELOPMENTAL, AND COMPARATIVE
PSYCHOLOGY - STUDIES ON BRAIN AND BEHAVIOR,
PERCEPTION, COORDINATION, AND LEARNING
NASA-CR-58831 N65-32115
- BRAIN STEM**
- HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED
POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX
IN RABBITS A65-80441
- VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO
STIMULATION OF AMPULLAR NERVE ANALYZED IN
ANESTHETIZED CAT A65-80463
- THERMOSTAT OF ORGANISM AND ITS SETTING IN RABBIT
A65-80912
- CENTRECEPHALIC THEORY AND INTERHEMISPHERIC
TRANSFER OF VISUAL HABITS A65-82216
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION A65-82268
- BREATHING**
- S AIRCRAFT BREATHING APPARATUS
S EMERGENCY BREATHING TECHNIQUE
S HIGH ALTITUDE BREATHING
S LIQUID BREATHING
S OXYGEN BREATHING
S PRESSURE BREATHING
S RESPIRATION
- BREATHING MODE**
- BREATHING MECHANICS - COMPLIANCE AND RESISTANCE
IN NORMAL LUNG AND THORAX A65-80184
- DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159
- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION A65-82269
- BRIGHTNESS**
- SA LUMINESCENCE
- ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM
DETERMINED BY MEASURING FLICKER THRESHOLD,
BRIGHTNESS, AND PUPIL MOTOR EFFECT OF MODULATED
LIGHT A65-80770
- LIGHTNESS PERCEPTION RELATED TO PERCEPTION OF
SPATIAL POSITION A65-80793
- CONTOUR EFFECT ON SIMULTANEOUS BRIGHTNESS CONTRAST
A65-80852

SUBJECT INDEX

CALCULUS /BIOL/

- BINOCULAR BRIGHTNESS AVERAGING AND CONTOUR INFORMATION A65-80861
- REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE DURATION AND TASK COMPLEXITY A65-81042
- THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY N65-13644
- BRIGHTNESS DISCRIMINATION**
- STIMULUS INTENSITY AND PHOTICALLY EVOKED CEREBRAL RESPONSE AS POSSIBLE OBJECTIVE INDEX OF BRIGHTNESS PERCEPTION FOR MAN A65-24831
- BRIGHTNESS DISCRIMINATION THRESHOLD AS AFFECTED BY WEIGHTLESSNESS ON TWO LEVELS OF ACCELERATION A65-80948
- NEGATIVE FLASHES, POSITIVE FLASHES, AND FLICKER EXAMINED BY INCREMENT THRESHOLD TECHNIQUE A65-81016
- EVOKED POTENTIALS AND CORRELATED JUDGMENTS OF BRIGHTNESS AS FUNCTIONS OF INTERFLASH INTERVALS A65-81158
- BRIGHTNESS CONSTANCY UNDER GRADIENT OF ILLUMINATION A65-81438
- BACKGROUND REFLECTANCE AND CATEGORY-SCALING OF GRAY PAPERS A65-81580
- VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING A65-81581
- BINOCULAR RIVALRY AND CONTRAST AT CONTOURS A65-82083
- CENTRECEPHALIC THEORY AND INTERHEMISPHERIC TRANSFER OF VISUAL HABITS A65-82216
- PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER FUSION A65-82260
- BRIGHTNESS ENHANCEMENT RELATED TO FLICKER FUSION FREQUENCY AND AS FUNCTION OF OBSERVATIONAL TECHNIQUE A65-82263
- BRONCHIAL TUBE**
- RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI DURING TRANSVERSE ACCELERATION A65-80117
- MEASUREMENT OF INTRABRONCHIAL PRESSURE IN MAN A65-81632
- BUBBLE**
- GAS BUBBLE FORMATION IN ORGANISMS IN EXPLOSIVE DECOMPRESSION A65-81272
- BUFFER**
- VAN SLYKES BUFFER VALUES FOR CHLORELLA CELL SECRETIONS INTO SURROUNDING MEDIUM N65-15803
- BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA N65-16814
- BURN INJURY**
- HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE NUCLEAR DETONATIONS A65-14240
- IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS A65-80494
- CASE HISTORIES OF APPARENT CHEMICAL BURNS AFTER HANDLING MAGNETRON TUBE IN RADAR SET A65-80789
- TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING AND DRUGS A65-81186
- HYPOXIA IN UNCOMPENSATED SKIN LOSS FROM BURN INJURY N65-17805
- THERMAL TRAUMA EFFECT AND PATHOGENESIS OF BURN SHOCK, HYPERTHERMIA, AND HYPOTHERMIA - BURN
- INJURY PATHOLOGY**
JPRS-29494 N65-20833
- THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON RETINA OF EYE BY RADIATION - MATHEMATICAL THEORY
FPRC/1222 N65-23616
- RADIATION EFFECT ON RETINA - BURN INJURY STUDY R-1747 N65-23889
- BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH JPRS-30405 N65-24889
- PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY AUTOMATIC CONTROL PROCESSES N65-24890
- C**
- CABIN ATMOSPHERE**
SA PRESSURIZED CABIN
- HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN CABIN ATMOSPHERE N65-14452
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE N65-14456
- ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF SPACE VEHICLE CABIN ATMOSPHERES N65-18381
- HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY SEALED CABINS FOR STRATOSPHERIC FLIGHTS ATD-P-65-13 N65-19784
- TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS LR-17744 N65-20120
- PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE OF AIR PRESSURE
FTD-TT-65-258/1&2 N65-25341
- CAFFEINE**
- COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL, AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND INTELLECTUAL PERFORMANCE A65-80159
- PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN - DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED WAKEFULNESS A65-81715
- CALCIUM**
- AGE FACTOR IN RETENTION OF CALCIUM IN BLOOD PLASMA A65-81385
- INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND ELDERLY SUBJECTS A65-81548
- NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN SERUM, PAROTID FLUID, AND URINE DURING WEIGHTLESSNESS A65-82359
- CALCIUM ACCRETION AND BONE FORMATION IN DOGS N65-18088
- BED REST EFFECT ON VARIOUS PARAMETERS OF PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM BALANCE
NASA-CR-182 N65-20474
- SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373
- COMPARISON OF CALCIUM AND IODINE EXCRETION IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517
- CALCULUS /BIOL/**
- PROBLEM OF BLADDER CALCULUS FORMATION AND DECREASED URINARY FLOW IN MANNED SPACE FLIGHT A65-80353

CALORIC REQUIREMENT

SUBJECT INDEX

CALORIC REQUIREMENT

SA DIET SA NUTRITIONAL REQUIREMENT

CALORIC REQUIREMENTS FOR MANNED SPACE FLIGHTS
N65-18578

RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED
NORADRENALINE AND ACUTE BODY COOLING -
CALORIGENIC EFFECTS OF NORADRENALIN
AAL-TR-64-21 N65-24080

CALORIC STIMULUS

EFFECT OF AREA STIMULATED AND DURATION OF THERMAL
STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY
NEURON FUNCTION A65-80718

OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG
FOLLOWING CALORIC STIMULATION OF LABYRINTH
A65-81313

BILATERAL CALORIC HABITUATION ON NYSTAGMUS
RESPONSES ON CAT
AM-64-14 N65-15346

THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION
NASA-CR-67539 N65-36425

CAMPBOR

EFFECT OF CAMPBOR ON CARBOHYDRATE-PHOSPHORUS AND
OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA
IN RATS A65-80628

CAPACITANCE

CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC
MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE
AMRL-TR-64-116 N65-19152

CAPE KENNEDY

HEAD INJURIES AND TREATMENT AT CAPE KENNEDY
MISSILE BASE A65-82079

NURSING CARE IN CASES OF HEAD INJURY OF PERSONNEL
AT CAPE KENNEDY MISSILE RANGE A65-82080

OCCUPATIONAL HEALTH PROGRAM FOR SPACE OPERATION AT
MERRIT ISLAND LAUNCH AREA AT CAPE KENNEDY
A65-82197

CAPILLARY

PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313

EFFECT OF CORIOLIS ACCELERATION ON HUMAN BLOOD
VESSEL TONUS A65-80981

INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT
IN CHRONIC ANOXIA A65-80998

SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON
MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED
MEASUREMENTS OF PULMONARY CARBON MONOXIDE
DIFFUSION CAPACITY DURING EXERCISE IN MAN
A65-81321

CAPILLARY CIRCULATION

MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE
CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN
FLOW TO SKELETAL MUSCLES A65-34988

MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS A65-80312

FACTORS AFFECTING RATE OF OXYGEN EXCHANGE
BETWEEN CAPILLARY BLOOD AND TISSUES
A65-80361

PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE
AND CAPILLARY BLOOD FLOW DURING FORWARD
ACCELERATION A65-82152

CAPSULE

SA ESCAPE CAPSULE
SA SPACE CAPSULE

SENSORY PERCEPTION AND SPATIAL ORIENTATION

CONCERNING BODY POSTURE IN SEALED CABIN

A65-80553

CARBOHYDRATE

SA CELLULOSE
SA GLUCOSE
SA GLYCOGEN
SA NUCLEOSIDE

RANDOM POLYCONDENSATION OF CARBOHYDRATES IN
RELATION TO POLYMERIZATION AND ABIOTIC
A65-80480

CONTROLLED BIOSYNTHESIS OF CARBOHYDRATES IN
CHLORELLA A65-80598

LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814

CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION N65-18595

SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC
RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT,
NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED
BIOLOGICAL STUDIES
JPRS-29112 N65-20132

HYDROGEN GENERATION FROM SUGARS AND NATURAL
PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL
CELL
REPT.-10 N65-24964

CARBOHYDRATE METABOLISM

SHORT-TERM CENTRIFUGATION STRESS EFFECTS ON LIVER
CARBOHYDRATE METABOLISM IN MICE
A65-18202

INCREASE OF PERIODIC ACID SCHIFF REAGENT
POSITIVE GRANULES IN FOOD DEPRIVED MOUSE
INTESTINAL EPITHELIUM DURING GLUCOSE ABSORPTION
A65-80013

HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA
BUT LOWERED BY INSULIN AND CHLORPROMAZINE
A65-80581

EFFECT OF CAMPBOR ON CARBOHYDRATE-PHOSPHORUS AND
OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA
IN RATS A65-80628

EFFECT OF SHORT-TERM AND LONG-TERM FOOD
DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND
CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC
LESIONS A65-80653

CEREBRAL CARBOHYDRATE METABOLISM IN MAN
A65-80816

EFFECT OF PHYSICAL EXERCISE ON BLOOD SUGAR LEVEL
IN DOGS A65-80833

ULTRAVIOLET RADIATION EFFECT ON BLOOD SUGAR LEVEL
IN RABBITS A65-80837

CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
CHRONIC HYPOXIC STATE A65-80995

DIABETES DETECTION METHODS IN AEROMEDICAL
EXAMINATIONS A65-81110

HETEROTROPHIC GROWTH, CARBOHYDRATE METABOLISM AND
PRODUCTION OF XANTHOPHYLLS BY CHLORELLA
PYRENOIDOSA A65-81285

RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION
IN COMMERCIAL PILOT SELECTION A65-81297

BLOCKAGE IN RATS OF EPINEPHRINE-INDUCED
HYPERGLYCEMIA DURING EXPOSURE TO SIMULATED
ALTITUDES A65-81474

RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION
A65-81798

EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82249

- CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY CHLORELLA IN LIGHT AND DARK REPT.-135 N65-23301
- VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND ADRENALINE ACTIVITY UNDER EXPERIMENTAL CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN BLOOD OF PATIENTS WITH VIBRATION SICKNESS JPRS-30845 N65-27030
- CARBON**
SA CHARCOAL
- APPROACHES TO DIRECT AND INDIRECT EXTRATERRESTRIAL LIFE IDENTIFICATION CONCENTRATING ON MICROORGANISMS AND NOTING ROLE OF CARBON A65-22771
- CARBON COMPOUND**
SA BICARBONATE
SA HYDROCARBON
- ABIOTIC FORMATION OF CARBON COMPOUNDS IN ORGUILL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS CHONDRITES SUGGESTED BY MASS SPECTROMETRY A65-82013
- CARBON DIOXIDE**
CARBON DIOXIDE EXCRETION DURING CONTROLLED ALVEOLAR HYPERVENTILATION TO SHOW CORRELATION OF ELECTROENCEPHALOGRAPHIC AND ELECTROMYOGRAPHIC DISTURBANCES TO IN FLIGHT DISTURBANCES A65-11129
- RECOVERY OF USABLE OXYGEN FROM WASTE CARBON DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION FOLLOWED BY ELECTROLYSIS A65-15625
- LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH EARTH ATMOSPHERE PARALLELED TO MANNED SPACE FLIGHT A65-26437
- CARBON DIOXIDE AND PULMONARY VENTILATION IN MUSCULAR EXERCISE OF DOG A65-80071
- CHLORALOSE AND PENTOBARBITAL EFFECT ON HEART RATE RESPONSE OF DOG TO CARBON DIOXIDE A65-80076
- OXYGEN LACK EFFECT ON INDUCTIVE PHASE OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION IN CHLORELLA VULGARIS A65-80317
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD BICARBONATE AND BASE EXCESS IN HUMAN CORONARY VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL WORK A65-80452
- REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE A65-80731
- GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND CARBON DIOXIDE A65-80818
- IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN SUBJECTS WITH UNILATERAL INTERNAL CAROTID OBSTRUCTION A65-81027
- OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND CARBON DIOXIDE A65-81205
- CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN DOGS A65-81806
- CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON VENTILATION A65-81896
- INVESTIGATION OF GAS EXCHANGE IN PLANTS IN CLOSED SYSTEM WITH HELP OF CARBON 14 IN CARBON DIOXIDE A65-81924
- INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR TASK PERFORMANCE WITH OXYGEN DEFICIENCY A65-81968
- ABSORPTION INTENSITY OF CARBON DIOXIDE BANDS AND MARTIAN CARBON DIOXIDE ABUNDANCE AND ATMOSPHERIC PRESSURE AS BASE OF DESIGN FOR MARS ENTRY VEHICLE A65-82273
- MECHANISMS OF CONTROL OF CEREBRAL CIRCULATION AND ARTERIAL CARBON DIOXIDE TENSION NASA-CR-50682 N65-16430
- FLATUS CARBON DIOXIDE PRODUCTION AT DECOMPRESSION N65-16626
- DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT TREATMENT N65-17800
- OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF ELEVATED CARBON DIOXIDE CONCENTRATIONS IN RABBITS N65-17807
- OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION IN RESPIRATION UNDER EXCESS PRESSURE N65-17808
- OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE FTD-TT-64-634/1&2&4 N65-19139
- REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE REMOVAL FROM MANNED SPACE CAPSULE AMRL-TR-64-119 N65-20529
- OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL REVIEW BNL-898 N65-23230
- URINE EXCRETION IN ANIMALS - DEPENDENCE OF DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION IN DRINKING WATER NASA-TT-F-9337 N65-23793
- BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION PROCESSES QTR-3 N65-25572
- CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION INTERACTION AND INDEPENDENT EFFECTS ON BREATHING - RESPIRATION STIMULANTS IN ARTERIAL BLOOD SAM-TR-64-94 N65-26242
- CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION OF TRAINED DOGS AMRL-TR-64-145 N65-27837
- EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS JPRS-31013 N65-28142
- CARBON DIOXIDE CONCENTRATION**
DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE CONCENTRATION OF FLATUS PRODUCED IN MAN A65-10744
- MATHEMATICAL SIMULATION OF CARBON DIOXIDE PARTIAL PRESSURES IN HUMAN LUNG, VENOUS BLOOD AND REBREATHING BAG A65-14157
- LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR ACTIVITY A65-36398
- AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS A65-80942
- EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR

- PROLONGED PERIODS N65-13681
- EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN BEINGS AND ANIMALS N65-13684
- CARBON DIOXIDE REMOVAL SA AIR PURIFICATION**
- ELECTROCHEMICAL CONCENTRATION OF CARBON DIOXIDE FROM CLOSED ATMOSPHERE BY CARBONATION CELL TRANSFER OF GAS IONS BETWEEN ELECTRODES AICE PREPRINT 54F A65-15396
- SPACE CABIN ATMOSPHERE REGENERATION AND CONTROL PROBLEMS COVERING CARBON DIOXIDE, WATER, OXYGEN CONCENTRATIONS AND TRACE CONTAMINATION ASME PAPER 65-AV-47 A65-23454
- CARBON DIOXIDE REDUCTION UNIT FOR CONTINUOUS HIGH RATE OXYGEN REGENERATION IN ZERO GRAVITY ENVIRONMENT A65-29060
- REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM A65-34478
- USE OF ENZYME, CARBONIC ANHYDRASE, FOR CARBON DIOXIDE CONTROL IN SPACECRAFT QTR-1 N65-26316
- CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM, AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND RADIOACTIVE TRACING MEASUREMENTS AAL-TDR-64-14 N65-27531
- CARBON DIOXIDE TENSION**
- CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE TENSION A65-80070
- INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION IN HUMANS DURING EXERCISE AS PREDICTED FROM PH AND CARBON DIOXIDE TENSION A65-80198
- RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN SICKNESS A65-80298
- SWEAT SUPPRESSION OF FOREHEAD BY FORCED BREATHING IN MAN - EFFECT OF CARBON DIOXIDE TENSION A65-80314
- PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP A65-80401
- POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN A65-80665
- ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY LIPEMIA AND HEPARIN A65-80668
- CONTROLLED FREQUENCY BREATHING DURING MUSCULAR EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS TENSIONS A65-80672
- VENTILATORY RESPONSE TO HYPOXIC CHEMOCEPTOR STIMULATION OF CAT AS AFFECTED BY CENTRAL AND PERIPHERAL CARBON DIOXIDE TENSION A65-80786
- ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE A65-80796
- ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO STEPWISE ELEVATIONS OF ARTERIAL CARBON DIOXIDE TENSIONS A65-80823
- REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA A65-81175
- ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86 CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON DIOXIDE, AND VASOACTIVE DRUGS A65-81176
- RAPID ESTIMATION OF PLASMA CARBON DIOXIDE TENSION FROM PH AND TOTAL CARBON DIOXIDE CONTENT A65-81282
- CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR ARTERIAL BLOOD ANALYSIS A65-81492
- MIXED VENOUS CARBON DIOXIDE TENSION DETERMINED BY CARBON DIOXIDE REBREATHING METHOD - INFLUENCE OF REBREATHING TIME A65-81508
- EFFECT OF HIGH ALTITUDES ON PULMONARY CARBON DIOXIDE PARTIAL PRESSURE A65-81876
- HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON DIOXIDE INHALATION A65-81957
- RATE OF CHANGE OF CARBON DIOXIDE TENSION IN ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN PATIENTS A65-82073
- EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY VENTILATION A65-82074
- EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR TENSION IN DOGS AND CATS A65-82271
- PULMONARY CIRCULATION AND HEART FUNCTION IN RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES A65-82301
- CARBON DISULFIDE**
- ELECTROENCEPHALOGRAPH CHANGES IN CHEMICAL FACTORY WORKERS FOLLOWING CARBON DISULFIDE POISONING AS RELATED TO TIME SINCE LAST EXPOSURE AND AGE A65-80229
- PSYCHOLOGICAL EFFECTS OF EXPOSURE TO CARBON DISULFIDE A65-80392
- CEREBRAL VASCULAR LESION IN CARBON DISULFIDE POISONING - CASE HISTORY A65-81693
- GENERAL IMMUNOLOGICAL RESPONSE AND DISEASE INCIDENCE IN WORKERS EXPOSED TO CARBON DISULFIDE FUMES. A65-82244
- CARBON MONOXIDE**
- KINETICS OF REACTION OF HUMAN HEMOGLOBIN WITH CARBON MONOXIDE A65-80279
- CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS OF RESUSCITATION IN DOGS A65-80293
- SLIDE RULE FOR CALCULATING SINGLE-BREATH DIFFUSING CAPACITY FOR CARBON MONOXIDE A65-80512
- MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON MONOXIDE AT REST AND DURING EXERCISE A65-80821
- FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH ALTITUDE A65-81185
- POTASSIUM PALLADO SULFITE METHOD FOR CARBON MONOXIDE DETECTION A65-81275
- REPRODUCIBILITY OF STEADY STATE CARBON MONOXIDE DIFFUSION CAPACITY DATA DURING EXERCISE IN MAN A65-81320
- SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED MEASUREMENTS OF PULMONARY CARBON MONOXIDE DIFFUSION CAPACITY DURING EXERCISE IN MAN A65-81321
- PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND CAPILLARY BLOOD FLOW DURING FORWARD ACCELERATION A65-82152
- GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING

- LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING CAPACITY DETERMINATIONS A65-82170
- EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON MAN IN PRESSURIZED CABIN OF PASSENGER PLANE N65-13665
- PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS INSECTICIDES, CARBON MONOXIDE AND METHANE EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC FUMES JPRS-30976 N65-28291
- MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE OF ORGANISM TO CARBON MONOXIDE, METHANE, AND THEIR COMBINATIONS - MINING SAFETY N65-28292
- CARBON MONOXIDE POISONING
HEMODYNAMIC CHANGES DURING ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80277
- EXCITATION-DURATION CURVES AFTER ACUTE OCCUPATIONAL CARBON MONOXIDE POISONING A65-80278
- DIAGNOSIS OF CHRONIC CARBON MONOXIDE POISONING A65-80280
- ORGANIZATION OF AN ARTIFICIAL RESPIRATION CENTER-THERAPY OF ACUTE CARBON MONOXIDE POISONING A65-80281
- TREATMENT OF ACUTE CARBON MONOXIDE POISONING WITH PURE OXYGEN IN PRESSURE CHAMBER A65-80282
- TREATMENT OF ACUTE CARBON MONOXIDE POISONING A65-80283
- IRON THERAPY IN ACUTE CARBON MONOXIDE POISONING A65-80284
- STATISTICAL ANALYSIS OF SICKNESS AND ACCIDENT RATE IN WORKERS EXPOSED TO RISK OF CHRONIC CARBON MONOXIDE POISONING A65-80285
- STATISTICAL ANALYSIS OF INCIDENCE OF CLINICAL SIGNS DURING ACUTE CARBON MONOXIDE POISONING AND PROGNOSTIC VALUE A65-80286
- PARALYSIS OF ARM IN ACUTE CARBON MONOXIDE POISONING A65-80287
- FIBRINOLYSIS IN CARBON MONOXIDE POISONING IN ANIMALS A65-80288
- ELECTROCARDIOGRAPHIC ALTERATIONS IN CASES OF ACUTE CARBON MONOXIDE POISONING A65-80289
- HYPOTHERMIA IN TREATMENT OF ACUTE CARBON MONOXIDE POISONING A65-80290
- BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE A65-80291
- ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE POISONING IN DOGS A65-80292
- HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80294
- MECHANISM OF TOXIC ACTION OF CARBON MONOXIDE AND OXYGEN TREATMENT A65-80295
- NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON DIOXIDE POISONING TREATED WITH ETHCOPROPAZINE A65-80822
- DIAGNOSTIC METHODS USED IN CARBON MONOXIDE POISONING - COMPARATIVE STUDY A65-81401
- OXYGEN BREATHING AS THERAPY FOR CARBON MONOXIDE POISONING A65-81511
- DISTURBANCE IN CARBON METABOLISM IN EXPERIMENTAL CARBON MONOXIDE POISONING IN RABBITS A65-82183
- EFFECT OF CARBON MONOXIDE BREATHING ON CELLULAR STRUCTURE AND TISSUES OF LUNGS IN RATS A65-82272
- ADRENOCORTICAL INSUFFICIENCY AND HYPERFUNCTION RESISTANCE TO CARBON MONOXIDE POISONING JPRS-30295 N65-24690
- PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY CONCENTRATION OF CARBON MONOXIDE IN AIR N65-28295
- CARBON TETRACHLORIDE
HEPATOTOXICITY OF RAT FROM HYDRAZINE AND 1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON TETRACHLORIDE A65-81529
- CARBON TETRACHLORIDE POISONING
ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON TETRACHLORIDE DAMAGED LIVERS OF MICE A65-80326
- CASE HISTORY OF CARBON TETRACHLORIDE POISONING MANIFESTING AS KIDNEY DISEASE A65-82034
- DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE TO CARBON TETRACHLORIDE POISONING A65-82303
- CARBON 14
EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS EUTROPHA, USING PAPER CHROMATOGRAPHY AND RADIOAUTOGRAPHY WITH CARBON 14 A65-31725
- IONIZING EFFECT OF BETA PARTICLES ON RATE OF GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON A65-82242
- PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES NASA-CR-60709 N65-16815
- CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY CHLORELLA IN LIGHT AND DARK REPT.-135 N65-23301
- MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS CONTROL OF RADIOLOGICAL HAZARD RCC-R-178 N65-33014
- CARBONACEOUS METEORITE
PETROLOGICAL AND COMPOSITIONAL RELATIONSHIPS IN VARIOUS TYPES OF METEORITES A65-80373
- ABIOTIC FORMATION OF CARBON COMPOUNDS IN ORGUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS CHONDRITES SUGGESTED BY MASS SPECTROMETRY A65-82013
- CARBONIC ANHYDRASE
ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR AD-451065 N65-11421
- USE OF ENZYME, CARBONIC ANHYDRASE, FOR CARBON DIOXIDE CONTROL IN SPACECRAFT QTR-1 N65-26316
- CARBONYL
ASYMMETRIC HYDROGENATION OF CARBONYL COMPOUNDS A65-80472
- CARBOXYLIC ACID
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID RESINS CHROMATOGRAPHY N65-22299
- CARDIOGRAM
SA BALLISTOCARDIOGRAM
SA ELECTROCARDIOGRAM
SA MAGNETOCARDIOGRAM

- SA PHONOCARDIOGRAM
SA VECTORCARDIOGRAM
SA VIBROCARDIOGRAM
- MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL PHENOMENA IN CARDIAC TISSUE A65-10724
- CARDIOGRAPHY
SA BALLISTOCARDIOGRAPHY
SA ELECTROCARDIOGRAPHY
SA PHONOCARDIOGRAPHY
- PRECORDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION A65-22329
- HEMODYNAMIC INDEXES OBTAINED BY MECHANOCARDIOGRAPHIC METHOD N65-13761
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION AM-64-2 N65-16161
- PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED WITH HEART FUNCTION IN MAN AND DOGS NASA-CR-57145 N65-18490
- CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC DATA N65-23424
- BIOINSTRUMENTATION FOR AEROSPACE MEDICINE - CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM SIMULATOR, AND ELECTRON VOLTAGE STABILIZER FTD-TT-64-1089/162 N65-33752
- CARDIOLOGY
CLINICOPHYSIOLOGICAL ASPECTS OF MEDICAL PROGRAM AND SPACECREW REACTION STUDIED BY PHYSICIAN ON INTERPLANETARY FLIGHT AND SEISMOCARDIOLOGICAL DATA JPRS-29795 N65-23422
- CARDIOLOGY - CLINICO-INSTRUMENTAL INVESTIGATION OF MITRAL DISEASE JPRS-30490 N65-25669
- DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART DISEASE ACCORDING TO DATA FROM VENOUS CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY N65-25672
- RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND RATE OF PRESSURE CHANGE IN RIGHT AND LEFT VENTRICLES NASA-TT-F-9384 N65-27686
- DATA SYNTHESIS OF ELECTROCARDIOLOGICAL METHODS NASA-TT-F-9459 N65-33951
- CARDIORESPIRATORY SYSTEM
SA BLOOD CIRCULATION
SA HEART
SA LUNG
- CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT AMBIENT ENVIRONMENT A65-12527
- TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
- CARDIORESPIRATORY HYGIENE IN FLIGHT A65-81820
- EVALUATION OF TREADMILL AND GRADATIONAL STEP TEST FOR ASSESSING CARDIORESPIRATORY CAPACITY AM-64-3 N65-16215
- INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM AFTER LUNG SURGERY N65-17783
- CARDIAC AND VENTILATORY RESPONSE TO BICYCLE ERGOMETER TEST NASA-CR-177 N65-20472
- ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM DUE TO OXYGEN STARVATION N65-25026
- OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF GRAVITY NASA-TT-F-9562 N65-33806
- CARDIOTACHOMETRY
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE MEASURED BY OBSERVING CHANGES IN INTRATHORACIC IMPEDANCES A65-10727
- CARDIOVASCULAR SYSTEM
SA ARTERY
SA BLOOD CIRCULATION
SA CAPILLARY
SA HEART
- AERONAUTICAL APPLICATION OF RESPIRATORY AND CARDIOVASCULAR FUNCTIONAL EVALUATION TESTS A65-12883
- MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS AMPLIFICATION A65-13397
- OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM MUSCULAR EXERCISE OF FLYING CADETS A65-20984
- PROLONGED SPACE FLIGHT EFFECTS ON CARDIOVASCULAR SYSTEM, ASCERTAINING MECHANISM AND CAUSES OF ORTHOSTATIC HYPOTENSION A65-23461
- HUMAN BODY EXTREMITY CUFF-TOURNIQUET EFFECTS ON TILT TABLE TOLERANCE TAKEN AFTER 6 HOURS OF WATER IMMERSION A65-24078
- WATER IMMERSION EXPERIMENT WITH MALES CHECKING CARDIOVASCULAR DECONDITIONING, PLASMA VOLUME, HEMOGLOBIN, OSMOLARITY, FLUID INTAKE, BODY WEIGHT, ETC A65-24079
- EKG AND BLOOD PRESSURE STUDIES IN MILITARY JET PILOTS BEFORE AND AFTER FLIGHT A65-30139
- CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- CONTINUOUS RECORDING OF HEART RATE BY MEANS OF PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH A65-80008
- CARDIOVASCULAR RESPONSES MEDIATED BY SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS A65-80075
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V SATELLITES A65-80150
- PHYSICAL EXERCISE AND CARDIOVASCULAR HEALTH A65-80202
- VASCULAR TONE CHANGES OF VEINS IN EXTREMITIES DURING SUPINE EXERCISE A65-80271
- USE OF PHYSIOLOGICAL TEST FOR HYPOXIA ACCOMMODATION AND ACCELERATION STRESS TOLERANCE IN AIRCREW A65-80319
- VALIDITY OF CRAMPTON TEST IN APPRAISAL OF CARDIOVASCULAR EFFICIENCY OF INDIVIDUAL ENGAGED IN STRENUOUS PHYSICAL EXERCISE A65-80320

SUBJECT INDEX

CARDIOVASCULAR SYSTEM

HEART MINUTE VOLUME AS QUADRATIC FUNCTION OF OXYGEN UPTAKE IN NORMAL MEN DURING PHYSICAL EXERCISE A65-80403

STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN POSTPRANDIAL AND IN FASTING STATE IN RELATION TO GLUCOSE INTAKE A65-80447

RESPONSE OF CARDIOVASCULAR SYSTEM TO COLD-BLOCK OF VAGUS TRUNK A65-80602

VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA CYCLE AND CARDIAC AROUSAL CYCLE A65-80644

TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART RATE AND RESPIRATORY MOVEMENTS A65-80714

MICROWAVE RADIATION OF RAT AND EFFECT OF PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE A65-80756

RELATIONSHIP BETWEEN DURATION OF CARDIAC CYCLE AND VENTRICULAR EXCITATION TIME IN NORMAL SUBJECTS AS COMPUTED BY WALLER-BAZETT EQUATION A65-80764

BREATHING OF PRESSURE OXYGENATED NORMAL SALINE IN DOGS A65-80826

PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH TEMPERATURES IN MAN A65-80848

NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING PERFORMANCE, BODY WEIGHT, MORTALITY, AND ATHEROMATOSIS IN RATS A65-80936

CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION, AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE TO HOT ENVIRONMENTS A65-80962

EFFECT OF EXTREMITY CUFF TOURNIQUETS ON TILT TABLE TOLERANCE AFTER WATER IMMERSION A65-81065

CHANGES IN BIOELECTRIC CEREBRAL ACTIVITY AND CERTAIN VEGETATIVE VASCULAR REACTIONS RESULTING FROM ACTION OF NOISE A65-81191

DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81198

TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART FUNCTIONS AND RESPIRATION A65-81208

RELATIONSHIP BETWEEN OXYGEN CONSUMPTION AND HEART RATE IN EVALUATION OF CARDIOVASCULAR FUNCTION IN PILOT CANDIDATES A65-81264

MODEL APERIODIC BALLISTOCARDIOGRAPH AND DESCRIPTION OF APERIODIC BALLISTOCARDIOGRAM OF HEALTHY INDIVIDUAL A65-81290

ANALOG AND DIGITAL COMPUTER SIMULATION OF CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS A65-81357

CIRCULATORY AND VENTILATORY RESPONSES TO POSTPRANDIAL EXERCISE A65-81361

CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF DIFFERENT RADIO-FREQUENCY BANDS A65-81371

OBJECTIVE REPRESENTATION OF STRESS IMPOSED IN CIRCULATORY FUNCTION TESTS A65-81493

RESPONSE MECHANISM IN DOGS OF CIRCULATION AND CARDIOVASCULAR SYSTEM TO HYPOXIA A65-81502

GRAVITY EFFECT ON MAN - HISTORICAL REVIEW A65-81588

CARDIOVASCULAR SYMPATHETIC TONE AND STRESS RESPONSE RELATED TO PERSONALITY PATTERNS AND EXERCISE HABITS - POTENTIAL CARDIAC RISK AND SCREENING TEST A65-81599

CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING COLD PRESSOR TEST A65-81600

CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE BREATHING IN HYPOTHERMIC DOGS A65-81608

NOISE EFFECT ON HUMAN PARTICULARLY CARDIOVASCULAR FUNCTION AND NERVOUS SYSTEM A65-81614

RESPIRATORY AND CIRCULATORY CHANGES AFTER EXPERIMENTAL FAT EMBOLISM IN DOGS A65-81688

CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG, MJ1999, IN DOGS A65-81714

PROBLEMS INHERENT IN PURPOSES OF INITIAL CARDIOVASCULAR EXAMINATION OF AVIATION PERSONNEL A65-81774

WEIGHTLESSNESS SUGGESTED AS THERAPY FOR CARDIAC INSUFFICIENCY A65-81849

COMPARATIVE SPIRO-ERGOMETRIC INVESTIGATIONS ON ATHLETES A65-81865

STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD 1 SPACECRAFT A65-81962

CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF LOWER BODY IN SUPINE POSITION TO NEGATIVE PRESSURE. A65-82253

FUNCTIONAL CHANGES IN CARDIOVASCULAR SYSTEM AFTER EXPOSURE TO HYPODYNAMIA N65-13653

CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED N65-13703

CARDIOVASCULAR SYSTEM AS INDEX OF NERVOUS, EMOTIONAL, AND PHYSICAL STRAIN OF PERSONNEL ON LONG FLIGHTS WITH COMPLEX MISSION N65-13709

CARDIOVASCULAR REACTION DURING PARACHUTE TRAINING, VIBRATION EXPOSURE, AND PROLONGED CONFINEMENT AND ISOLATION AS MEASURE OF EFFICIENCY AND ENDURANCE OF MAN FOR SPACE FLIGHT TRAINING N65-13712

CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS TO CHEST-BACK ACCELERATIONS N65-13718

CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723

MEASUREMENT OF AORTIC, LEFT AND RIGHT VENTRICULAR, PULMONARY CAPILLARY AND ARTERIAL PRESSURES, HEART RATE, CARDIAC AND STROKE INDEX, AND OTHER HEMODYNAMIC DATA ON MACACA MONKEYS AMRL-TDR-64-69 N65-13994

CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS NOISE T-411-R N65-15577

HYPOXIA DEVELOPMENT MECHANISM IN CARDIOVASCULAR SYSTEM DISEASE N65-17799

MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS N65-17836

CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER MOUNTAIN ENVIRONMENT CONDITIONS N65-17837

PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM IN HEALTHY MALE HUMANS N65-18377

PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS NADC-ML-6413 N65-18881

BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE MONITORING DURING BEDREST
NASA-CR-173 N65-20471

EFFECT OF SHORT AND LONG TERM BED REST ON CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159

DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398

LIFE SUPPORT SYSTEMS TO REVERSE DEATH - USE OF SMALL ARTIFICIAL HEART PUMP IN DOGS
N65-22733

INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE - AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL, CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS, AND BEHAVIORAL ORGANIZATION
NASA-CR-219 N65-23813

DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS - HUMAN PATHOLOGY AND CLINICAL MEDICINE
JPRS-30288 N65-24435

DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS DURING SPACE FLIGHT
N65-26919

RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND RATE OF PRESSURE CHANGE IN RIGHT AND LEFT VENTRICLES
NASA-TT-F-9384 N65-27686

MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND NERVOUS SYSTEM OF FROGS
ATD-T-65-39 N65-28123

ANALYSIS OF CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM USING COMPUTER METHODS - SYMPOSIUM
NASA-SP-72 N65-28750

NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND REDUCTION OF DATA, AND PATTERN AND CORRELATION ANALYSIS
N65-28757

INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND EXERCISE ON CARDIOVASCULAR RESPONSES
N65-28763

COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED REST ON CARDIAC DYNAMICS AND DISCUSSION OF ORTHOSTATIC HYPOTENSION
N65-28769

BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE
N65-28771

CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE PROGRAM
N65-28772

ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR MEMBRANE THEORY
NASA-CR-63917 N65-29149

PREVENTING CARDIOVASCULAR DECONDITIONING OF BEDREST BY PERIODIC FLACK MANEUVERS - PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820

CARDIOVASCULAR AND PSYCHOGALVANIC SKIN RESPONSE MONITORING DEVICES - ELECTRONIC MICROINSTRUMENTATION IN DENTISTRY
SAM-TR-64-90 N65-30496

HEART RATE MONITORING AND ANALYSIS DURING SPACE ENVIRONMENT SIMULATION
SAM-TR-65-26 N65-31620

REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT ON SPACECRAFT VOSKHOD

JPRS-31913 N65-32344

PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES - REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958 N65-34775

REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777

EVALUATION OF GENERAL PHYSICAL CONDITION OF GEMINI IV FLIGHT CREW WITH INCREASING TIME UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD
N65-36104

CORRELATION OF ELECTRIC AND MECHANICAL ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW MEMBERS
N65-36105

ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES
NASA-TT-F-9594 N65-36753

CAROTID SINUS REFLEX
CAROTID SINUS BARORECEPTOR REFLEX EFFECTS UPON MYOCARDIAL CONTRACTILITY
A65-80391

TWO CHEMORECEPTOR MECHANISMS OF CAROTID SINUS REFLEX - HYPOXIA
N65-17785

CARRIER ROCKET
S LAUNCH VEHICLE

CARTOGRAPHY
INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC ORIENTATION PERFORMANCE OF PILOTS OF LIGHT ATTACK AIRCRAFT
TR-751-3 N65-15105

CASCADE
DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF PARTICULATE MATERIAL DURING OPERATION ROLLER COASTER INCLUDING PERFORMANCE OF CASCADE IMPACTORS AND FITTING OF DISTRIBUTIONS
AWRE-O-20/65 N65-28885

CASE HISTORY
PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE OXYGEN
A65-80034

DECOMPRESSION SICKNESS TREATED WITH COMPRESSION
A65-80146

DEPERSONALIZATION SYNDROME AS THREAT TO EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222

CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF KEROSENE POISONING
A65-80531

CASE HISTORY OF PILOT HAVING SYNCOPE DURING INSTRUMENT FLYING
A65-80551

CASE HISTORIES OF APPARENT CHEMICAL BURNS AFTER HANDLING MAGNETRON TUBE IN RADAR SET
A65-80789

ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC, AND TOXICOLOGIC OBSERVATIONS
A65-80820

CASE HISTORIES OF INJURIES PRODUCED BY SEAT BELTS
A65-81187

SUDDEN HEARING LOSS- TREATMENT AND CASE HISTORIES
A65-81431

TOOTHACHE PROVOKED BY LOWERED BAROMETRIC PRESSURE DURING FLIGHT- CASE HISTORIES OF FLYING PERSONNEL
A65-81435

CASE HISTORY OF AEROEMBOLISM TREATED BY HYPOTHERMIA
A65-81523

- CEREBRAL VASCULAR LESION IN CARBON DISULFIDE POISONING - CASE HISTORY A65-81693
- ELECTROCARDIOGRAMS OF PILOT WITH ARTERIOVENTRICULAR BLOCK TAKEN DURING PHYSICAL EXAMINATIONS OVER TWENTY-YEAR PERIOD A65-81772
- LATENT CORONARY INEFFICIENCY IN MIDDLE AGED PILOT REVEALED BY ELECTROCARDIOGRAM TAKEN AFTER PHYSICAL EXERCISE A65-81782
- CASE HISTORIES OF DYSPNEA OF NEUROTIC ORIGIN IN PILOTS A65-81822
- CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION WITH SEVERE OXYGEN TOXICITY A65-81868
- CASE HISTORY OF CARBON TETRACHLORIDE POISONING MANIFESTING AS KIDNEY DISEASE A65-82034
- CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO TRICHLOROETHYLENE INTOXICATION A65-82094
- CAT
- RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING INSPIRATION AND EXPIRATION A65-80012
- PACINIAN CORPUSCLE OF INTESTINE AND MESENTERY OF CAT AS AFFECTED BY ACOUSTIC WAVES A65-80152
- EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM A65-80155
- HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND MONKEY CAUSED BY ELECTRIC STIMULATION OF SEMICIRCULAR CANAL NERVE A65-80156
- EVOKED RESPONSE LATENCY OF CAT AS FUNCTION OF STIMULUS RISE TIME IN AUDITORY CORTEX A65-80195
- AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR COLLICULUS OF CAT DURING ACOUSTIC HABITUATION A65-80197
- RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN IN MAN AND DECEREBRATE CAT A65-80303
- MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR APPARATUS IN CATS A65-80437
- VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO STIMULATION OF AMPULLAR NERVE ANALYZED IN ANESTHETIZED CAT A65-80463
- CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE TENSION AND HYDROGEN ION CONCENTRATION A65-80606
- RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF CARBON DIOXIDE PRESSURE A65-80607
- RESPIRATION AT CONSTANT LOW ARTERIAL PRESSURE AND EFFECT OF STEPWISE CHANGES OF ARTERIAL PRESSURE BEFORE AND AFTER CUTTING OF SINUS NERVES IN CAT A65-80608
- EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE SLEEP A65-80616
- ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN VISUAL CENTERS OF CEREBRAL CORTEX IN CATS A65-80652
- COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC STIMULATION TRANSMITTED BY THALAMUS NUCLEUS A65-80720
- RELATIONSHIP BETWEEN CEREBRAL CORTEX, HYPOTHALAMUS AND MEDULLA OBLONGATA IN REGULATING BLOOD PRESSURE IN CATS A65-80761
- INFLUENCE OF VISUAL AND AUDITORY STIMULI ON ELECTROENCEPHALOGRAPH OF CAT AND MAN A65-80776
- VENTILATORY RESPONSE TO HYPOXIC CHEMOCEPTOR STIMULATION OF CAT AS AFFECTED BY CENTRAL AND PERIPHERAL CARBON DIOXIDE TENSION A65-80786
- VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND BASAL GANGLIA IN CATS A65-80839
- CUTANEOUS NERVE, ELECTROPHYSIOLOGICAL ACTIVITY IN RESPONSE TO TEMPERATURE CHANGES OF CAT SKIN A65-80859
- IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963 A65-80875
- HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD LEVEL A65-80913
- AUTONOMIC REACTIONS OBSERVED IN CATS DURING VERONIQUE ROCKET FLIGHT A65-80916
- AUDITORY INPUT IN CATS DURING WAKEFULNESS, SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP A65-80945
- AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH TENOTOMIZED MIDDLE EAR MUSCLES A65-80946
- RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT NERVES A65-81024
- DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC CONDITIONS A65-81076
- HYPOXIA DURING DECOMPRESSION AND EFFECT ON CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS A65-81085
- PARADOXICAL SLEEP AND RELATION TO DEPRIVATION IN CAT A65-81157
- SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT SKIN A65-81278
- RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE NUCLEUS /Diencephalon/ OF CAT TO MOVING VISUAL PATTERNS A65-81302
- INHIBITION OF NONSPECIFIC SENSORY POTENTIALS IN CAT FOLLOWING STRIOPALLIDAL AND CAPSULAR STIMULATION A65-81303
- DC RESTING POTENTIALS OF CAT AS AFFECTED BY ELECTRIC AND THERMIC STIMULATION OF EFFERENT VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE A65-81379
- TRANSCALLOSAL, EXTRACALLOSAL, AND GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC SHOCK DURING SLEEP AND WAKEFULNESS A65-81380
- MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT IN SLEEP A65-81483
- VISUAL EVOKED CORTICAL RESPONSE IN CAT A65-81533
- STEADY POTENTIAL SHIFTS IN CAT DURING AROUSAL AND DEEP SLEEP A65-81534
- REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT

- A65-81536
FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH
RADIOACTIVE POTASSIUM 42 A65-81543
- EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON
BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER
CEREBELLAR LOBES IN CATS A65-81544
- EVOKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND
CEREBRAL CORTEX A65-81672
- SYNCHRONIZATION OF INITIAL AFFERENT FLOW IN VISUAL
SYSTEM IN CAT A65-81705
- EFFECT OF ATTENTION ON EVOKED RESPONSES IN
CLASSICAL AUDITORY PATHWAY IN CATS A65-81706
- EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS A65-81710
- EFFECTS OF AUDITORY AND OPTICAL STIMULI
DISCONTINUANCE ON ELECTROENCEPHALOGRAPH IN CATS.
A65-81713
- MORPHOLOGY OF VESTIBULAR NUCLEI AND RELATION TO
SPINAL CORD AND CEREBELLUM IN CATS A65-81725
- FORTRAN PROGRAM FOR INTRACELLULAR EVENT
RECOGNITION A65-81756
- EFFECT OF OXYGEN INTOXICATION ON VARIOUS AREAS OF
BRAIN IN CATS A65-81875
- AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH
CORTICAL STIMULATION IN LATERAL THALAMUS A65-81926
- CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930
- CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS A65-81931
- AUDITORY ACTIVITY IN UNCROSSED CENTRIFUGAL
COCHLEAR FIBERS IN CAT A65-82043
- CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS A65-82050
- SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL
INHIBITORY REFLEX IN CATS A65-82065
- COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066
- POTASSIUM ION AS VASODILATOR DURING MUSCULAR
EXERCISE IN CATS. A65-82067
- NATURE AND CAUSE OF MUSCULAR HYPEREMIA DURING
PHYSICAL EXERCISE IN CATS A65-82069
- FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072
- EFFECT OF DIFFERENT CALORIC STIMULI ON CATS -
PROBLEMS OF ELECTRONYSTAGMOGRAPHIC TECHNIQUE
A65-82119
- RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE
EAR, AND INNER EAR TO BONE CONDUCTION IN CATS
A65-82129
- STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR
NUCLEUS IN CATS A65-82135
- CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS
AFFECTED BY ELECTRIC STIMULATION. A65-82141
- CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156
- VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION A65-82268
- EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL
PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR
TENSION IN DOGS AND CATS A65-82271
- EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY
IN POSTERIOR HYPOTHALAMUS IN CATS A65-82275
- EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS A65-82276
- POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF
CEREBRAL CORTEX OF CAT DURING SLEEP AND
WAKEFULNESS IN RESPONSE TO AMPHETAMINE,
CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE
DERIVATIVE A65-82300
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT
DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN
CAT A65-82352
- ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN
EYES OF CATS DURING LIGHT AND DARK ADAPTATION.
A65-82353
- INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT A65-82355
- RESPONSE OF CAT TO STIMULATION IN OLFACTORY TRACT
OF CEREBRAL CORTEX
REPT.-64-1 N65-14471
- BILATERAL CALORIC HABITUATION ON NYSTAGMUS
RESPONSES ON CAT
AM-64-14 N65-15346
- PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS
DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514
- EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION
ON HORIZONTAL NYSTAGMUS IN CAT
REPT.-620 N65-36664
- CATALYTIC ACTIVITY
RECOVERY OF USABLE OXYGEN FROM WASTE CARBON
DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION
FOLLOWED BY ELECTROLYSIS A65-15625
- MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE
OXIDATIVE DECARBOXYLATION OF PYRUVATE IN
ESCHERICHIA COLI A65-16854
- PHOSPHOROCLASTIC REACTION CATALYZED BY CLOSTRIDIUM
NIGRIFICANS, THERMOPHILIC SULPHATE-REDUCING
BACTERIUM A65-17522
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS A65-25243
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING
CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN
HYDROGEN PEROXIDE DECOMPOSITION A65-26285
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319

CATECHOLAMINE

CARDIOVASCULAR RESPONSES MEDIATED BY
SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80075

VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM
AND ITS CATECHOLAMINE MEDIATORS IN RATS
A65-80233

HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF
SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING
A65-80834

HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085

CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART
A65-81383

CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE
A65-81606

SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT
OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA
AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES
A65-81622

INTERINDIVIDUAL DIFFERENCES IN CATECHOLAMINE
EXCRETION DURING STRESS
A65-81883

HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945

PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND
NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING
AND INSULIN
A65-82168

UPTAKE OF CATECHOLAMINES BY HEART OF RABBITS
TREATED WITH SEGONTIN, A NEW AMINE DRUG
A65-82238

CATHODE RAY TUBE

ELECTROENCEPHALOSCOPE - INSTRUMENT FOR OBSERVING
ELECTRIC ACTIVITY OF BRAIN ON CATHODE RAY TUBE
N65-15725

BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD
CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH
JPRS-30405
N65-24889

20-CATHODE MULTIPOLAROGRAPH INSTRUMENTATION
AND BIOLOGICAL APPLICATIONS
N65-24892

APPARENT MOVEMENT PHENOMENA ON CATHODE RAY TUBE
DISPLAYS
NASA-CR-67527
N65-36429

CATION

CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON
A65-14831

CELL

S BIOLOGICAL CELL
S ELECTROCHEMICAL CELL
S SOLAR CELL

CELLULOSE

CELLULOSE DERIVATIVES TO ISOLATE ANTIBODIES FROM
SERUM
A65-26273

CENTRAL NERVOUS SYSTEM

SA AUTONOMIC NERVOUS SYSTEM

SOMESTHETIC POTENTIAL MEASUREMENT OF RATS AND CATS
ONBOARD ROCKETS EMPHASIZING SENSOR EMPLACEMENT,
ANIMAL TRAINING AND RADIO TRANSMISSION
A65-26600

ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES
A65-29946

NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS
SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF
SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT

CN CATS

A65-30589

ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN
MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL
ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
A65-80049

VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM
AND ITS CATECHOLAMINE MEDIATORS IN RATS
A65-80233

ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL
A65-80260

MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL
A65-80424

PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING
A65-80436

REACTION OF AUTONOMIC CENTERS OF HYPOTHALAMUS AND
CEREBELLUM TO IONIZING RADIATION
A65-80650

DEPENDENCE OF RESPONSE OF INDIVIDUAL NEURONS OF
RABBIT LATERAL GENICULATE BODY ON THE INTENSITY
OF LIGHT STIMULUS
A65-80701

SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
FIELD
A65-80801

ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
CORTEX AND CEREBELLUM
A65-80812

NEUROPHYSIOLOGY OF HEAT EXPOSURE
A65-80911

FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE
A65-81099

METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE
A65-81149

MATHEMATICAL ANALYSIS OF AVERAGE RESPONSE
COMPUTATION BASED ON APERIODIC STIMULI
A65-81690

CENTRAL REGULATION OF THE VESTIBULAR SYSTEM -
ROTATIONAL STIMULATION AND EYE MOVEMENTS
A65-82137

COMBINED EFFECT OF HOT CLIMATE AND ULTRA HIGH
FREQUENCY RADIATION ON CENTRAL NERVOUS SYSTEM OF
WORKING PERSONNEL ENGAGED ON ULTRA HIGH FREQUENCY
PROJECTS
A65-82184

DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION
AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA
A65-82190

CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT
ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL
NERVOUS SYSTEM IN ALBINO RATS
A65-82243

NEUROPHYSIOLOGICAL AND PSYCHOANALYTICAL ASPECTS OF
DREAM CYCLES
A65-82322

RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON
CENTRAL NERVOUS SYSTEM IN INDUSTRY AND
STANDARDIZATION OF RADIOACTIVE SUBSTANCES
JPRS-27032
N65-10120

BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM
PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES
N65-10122

EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS
N65-13627

EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN
ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY
FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN

- ANIMALS N65-13633
- CHANGES IN CAPACITY OF CENTRAL NERVOUS SYSTEM FOR ACQUIRING SKILLS DURING PILOT TRAINING N65-13679
- IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION NASA-CR-52231 N65-17068
- ENERGY INDICES TO STATE OF CENTRAL NERVOUS SYSTEM IN HYPOXIA N65-17770
- SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN MECHANISM OF RESPIRATION AND BLOOD CIRCULATION IN HYPOXIA N65-17776
- CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN ALTITUDES N65-17820
- RADIATION INJURIES AND RESTORATIVE PROCESSES IN CENTRAL NERVOUS SYSTEM OF MAMMALS JPRS-29288 N65-19665
- VIBRATION EFFECTS ON CENTRAL NERVOUS SYSTEM AND FUNCTION OF CORTEX OF SUPRARENAL GLAND IN PATIENTS SUFFERING VIBRATION SICKNESS FTD-TT-64-962/1 N65-22642
- EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC STIMULI ON DEVELOPMENT OF NUTRITIONAL CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD - STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND TRACING PHENOL CONTENT IN AIR JPRS-29981 N65-23776
- PATHOLOGICAL CHANGES IN BODY SYSTEMS FROM OXYGEN DEFICIENCY - CENTRAL NERVOUS SYSTEM JPRS-30576 N65-25431
- EXCITATION STATE OF CENTRAL NERVOUS SYSTEM REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD SERUM PROTEINS - ELECTROKINETICS N65-25615
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM NASA-TT-F-9425 N65-27711
- ANALYSIS OF CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM USING COMPUTER METHODS - SYMPOSIUM NASA-SP-72 N65-28750
- VISUALLY-EVOKED POTENTIALS IN MAN RECORDED TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE SUFFERING FROM CEREBRAL DISEASES - CENTRAL NERVOUS SYSTEM N65-28751
- BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE N65-28771
- CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION TID-21440 N65-30175
- CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS - PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS SYSTEM JPRS-31577 N65-31520
- THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY IMPULSUS CURRENT ON CENTRAL NERVOUS SYSTEM JPRS-31837 N65-32380
- CENTRAL NERVOUS SYSTEM DEPRESSANT
SA AMOBARBITAL
SA MEPROBAMATE
SA PENTOBARBITAL SODIUM
SA PROCHLORPERAZINE
- SA PROMETHAZINE
SA SECOBARBITAL
- NEW PHENOTHIAZINE TRANQUILIZER, FLUPHENAZINE - EFFECTS ON REACTION TIME AND TOTAL RESPONSE TIME A65-80118
- NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON DIOXIDE POISONING TREATED WITH ETHOPROPAZINE A65-80822
- 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE EFFECTS ON PSYCHOMOTOR PERFORMANCE IN FLYING PERSONNEL A65-81995
- ANALYSIS OF VISUAL AND PROPRIOCEPTIVE COMPONENTS OF MOTOR SKILL USING NITROUS OXIDE A65-82112
- NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER TWO CODING CONDITIONS A65-82113
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE DERIVATIVE A65-82300
- CENTRAL NERVOUS SYSTEM STIMULANT
SA ATROPINE
SA EPINEPHRINE
SA METHAMPHETAMINE
SA METRAZOL
SA NOREPINEPHRINE
SA STRYCHNINE
- DRUG-INDUCED FATIGUE DECREMENT IN AIR TRAFFIC CONTROL A65-81573
- EFFECT OF DIFFERENT DEGREES OF HYPOXIA ON SENSITIVITY TO EPILEPTOGENIC AGENT AND ON MOTOR UNIT FUNCTION OF BRAIN IN RATS A65-81877
- AMPHETAMINE AND PYROVALERONE HYDROCHLORIDE EFFECT ON HUMAN PERFORMANCE A65-82198
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE DERIVATIVE A65-82300
- CENTRIFUGAL STRAIN
SHORT-TERM CENTRIFUGATION STRESS EFFECTS ON LIVER CARBOHYDRATE METABOLISM IN MICE A65-18202
- RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL ACCELERATION STRESS N65-16629
- CENTRIFUGE
SA HUMAN CENTRIFUGE
- ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS, INVESTIGATING RODENTS AND SMALL PRIMATES IN CENTRIFUGES A65-30049
- MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE FOR HUMAN TOLERANCE FTD-TT-64-70/162 N65-16798
- ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING NASA-CR-65018 N65-32718
- CONSTRUCTION AND OPERATION OF SMALL ANIMAL CENTRIFUGE FOR CARRYING OUT EXPOSURES TO GRAVITATIONAL FIELD SAM-TR-65-23 N65-33738
- CENTRIPETAL FORCE
CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER, NOTING OTOLITH MODULATION OF SENSORY INPUT FROM SEMICIRCULAR CANALS A65-24081
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068

SUBJECT INDEX

CEREBRAL CORTEX

- REGULAR CHANGES OF CANINE PHYSIOLOGICAL RESPONSE
UNDER CUMULATIVE SLOW CENTRIPETAL ACCELERATION
FTD-MT-63-179 N65-11618
- LOWER-LEG RESTRAINT AGAINST CENTRIPETAL FORCE -
BINDING DEVICE USED IN YAW AND TRANSVERSE
ACCELERATION ENVIRONMENT
AMRL-TR-64-144 N65-21399
- CEREBELLUM**
- LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN
DOG CEREBELLUM AND ASSOCIATED AREAS A65-33023
- PHYSIOLOGY OF AUTONOMIC NERVOUS SYSTEM AND
CEREBELLUM A65-80646
- ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN
VISUAL CENTERS OF CEREBRAL CORTEX IN CATS A65-80652
- MORPHOLOGY OF VESTIBULAR NUCLEI AND RELATION TO
SPINAL CORD AND CEREBELLUM IN CATS A65-81725
- CEREBRAL CORTEX**
- MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION A65-21945
- MEASURING OF P O₂ IN CEREBRAL CORTEX OF RATS WITH
TECHNIQUES BASED ON OXYGEN ELECTRODE THEORY A65-32794
- EVOKED RESPONSE LATENCY OF CAT AS FUNCTION OF
STIMULUS RISE TIME IN AUDITORY CORTEX A65-80195
- NEUROPSYCHOLOGICAL EXPLANATION OF UNITY OF
BINOCULAR VISION A65-80389
- HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED
POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX
IN RABBITS A65-80441
- CRITICAL FLICKER FREQUENCY - THEORETICAL
INTERPRETATION OF VARIOUS QUALITATIVE AND
QUANTITATIVE ASPECTS A65-80459
- AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN
MAN A65-80639
- EXCITABILITY CYCLE OF HUMAN VISUAL CORTEX A65-80640
- VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX A65-80641
- PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES
DURING SLEEP IN MAN A65-80642
- ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES
TO LIGHT FLASH A65-80643
- VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA
CYCLE AND CARDIAC AROUSAL CYCLE A65-80644
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION
AND OCULOMOTOR REACTION TIMES IN MAN A65-80645
- ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN
VISUAL CENTERS OF CEREBRAL CORTEX IN CATS A65-80652
- INTERACTION BETWEEN EVOKED POTENTIAL AND
BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL
CORTEX A65-80702
- INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY
AUDITORY AND VISUAL STIMULI IN RABBITS A65-80703
- CHANGES IN CEREBRAL POTENTIALS EVOKED BY COMBINED
- STIMULI OF TWO MODALITIES A65-80711
- EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC
FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF
CEREBRAL CORTEX IN RABBIT A65-80713
- RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD
AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL
CORTEX A65-80734
- CORTICAL AND OCULAR ELECTRICAL RESPONSES TO
INTERMITTENT LIGHT STIMULATION IN MAN A65-80773
- ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF
MAN TO COLOR FLICKER STIMULI A65-80775
- INFLUENCE OF ATTENTION ON OCCIPITO-CORTICAL
RESPONSES TO LIGHTFLASHES IN MAN A65-80777
- EYE NYSTAGMUS ELICITED BY STIMULATION OF
NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT A65-80944
- SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY
AUDITORY STIMULUS A65-80986
- INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT
IN CHRONIC ANOXIA A65-80998
- CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN
SUBJECTS WITH UNILATERAL INTERNAL CAROTID
OBSTRUCTION A65-81027
- EVOKED RESPONSES OF VISUAL CORTEX- SPECTRAL
SENSITIVITY OF HUMANS A65-81184
- LINEARIZATION OF EVOKED RESPONSES OF CEREBRAL
CORTEX TO SINE WAVE-MODULATED LIGHT BY NOISE A65-81346
- ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN
MONKEYS OF DIFFERENT AGES IN RESPONSE TO
RHYTHMICAL LIGHT FLASHES A65-81354
- EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT A65-81449
- SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN
RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE
IRRADIATION A65-81453
- INVERSION OF PHOTIC EVOKED POTENTIALS IN VISUAL
CORTEX OF CONSCIOUS RABBITS A65-81485
- PREPYRIFORM ELECTRICAL ACTIVITY OF CEREBRAL CORTEX
IN RAT DURING EXPOSURE TO HIGH ALTITUDE A65-81495
- VISUAL EVOKED CORTICAL RESPONSE IN CAT A65-81533
- INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF
NEURONS OF OPTIC ZONE DURING ACTION OF SOUND
STIMULUS A65-81626
- EVOKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND
CEREBRAL CORTEX A65-81672
- CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930
- INFLUENCE OF FLASH INTENSITY UPON VISUAL EVOKED
RESPONSE IN HUMAN CORTEX A65-81991
- EVOKED CORTICAL POTENTIALS IN RELATION TO
PUPILLARY DIAMETER IN RAT A65-82071
- FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072
- CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS
AFFECTED BY ELECTRIC STIMULATION. A65-82141
- CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN

- A65-82156
EVOKED NON-SPECIFIC RESPONSES OF SENSORY-MOTOR CEREBRAL CORTEX TO NONDIFFERENTIATED AND UNCONDITIONED STIMULI IN MAN A65-82205
- VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN CATS A65-82222
- EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP AND WAKEFULNESS IN CATS A65-82276
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE DERIVATIVE A65-82300
- DICHOTIC LISTENING AND RECALL AS RELATED TO CEREBRAL DOMINANCE A65-82310
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC ENERGY REPT.-64-01 N65-12840
- EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN N65-13648
- MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS FOLLOWING TRANSVERSE ACCELERATION N65-13736
- RESPONSE OF CAT TO STIMULATION IN OLFACTORY TRACT OF CEREBRAL CORTEX REPT.-64-1 N65-14471
- ORIGIN OF CEREBRAL CORTEX RHYTHMICITY AND ANALYSIS OF ELECTROENCEPHALOGRAM N65-16728
- CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING BY RADIO OF PULSE WAVE DIFFUSION SPEED JPRS-28549 N65-17722
- CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE HYPOXIA N65-17767
- OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND SPINAL CORD IN HYPOXIA ACCLIMATED RATS N65-17813
- CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN RECOGNITION - DIGITAL COMPUTER MODEL GE/EE/64-22 N65-26347
- RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW IN CEREBRAL VEINS OF RABBITS N65-31377
- VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL TISSUE OF RATS N65-31386
- NEUROPHYSIOLOGICAL CEREBRAL CORRELATION MODEL OF INFORMATION TRANSACTIONS, AND INFORMATION STORAGE NASA-CR-64570 N65-32027
- ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX FOLLOWING EXPOSURE TO IONIZING RADIATION NASA-TM-X-51592 N65-35317
- CEREBROSPINAL FLUID**
RESPIRATION AND CEREBROSPINAL FLUID PH IN METABOLIC ACIDOSIS AND ALKALOSIS IN MAN A65-81905
- RATE OF CHANGE OF CARBON DIOXIDE TENSION IN ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN PATIENTS A65-82073
- CEREBRUM**
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE OF DEEP HYPOTHERMIA IN DOGS A65-81619
- VISUALLY-EVOKED POTENTIALS IN MAN RECORDED TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE SUFFERING FROM CEREBRAL DISEASES - CENTRAL NERVOUS SYSTEM N65-28751
- CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN N65-28756
- INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND EDEMA IN MONKEYS SAM-TDR-64-18 N65-30745
- CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN CLINICAL PRACTICE NASA-TT-F-9497 N65-33261
- CERENKOV EFFECT**
DETERMINATION OF ENERGY ABSORBED IN WATER FROM RELATIVISTIC COSMIC RAY PARTICLES USING CERENKOV EFFECT A65-80758
- CESIUM ION**
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON A65-14831
- CESIUM 134**
ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF CESIUM 134 FROM ANIMALS JPRS-27544 N65-11249
- ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND REAL PARTICULATE FALLOUT ACRH-102 N65-13845
- CESIUM 137**
PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL CONTAMINATION BY STRONTIUM 89, STRONTIUM 90, AND CESIUM 137 - RADIATION PROTECTION STANDARDS REPT.-7 N65-25882
- RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED STRONTIUM 89, STRONTIUM 90, AND CESIUM 137 N65-28341
- CF-104 AIRCRAFT**
S F-104 AIRCRAFT
- CHAMBER PRESSURE**
PROLONGED STAY IN PRESSURIZED CHAMBER IN PREPARATION FOR SPACE FLIGHT - LABORATORY EXPERIMENTS N65-18785
- CHARACTERISTICS**
S PERFORMANCE CHARACTERISTICS
- CHARCOAL**
ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL SYSTEM A65-81251
- CHARGE TRANSFER**
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL CONDUCTIVITY OF SOLID STATE PROTEINS AD-614440 N65-25850
- CHARGED PARTICLE**
SA ALPHA PARTICLE
SA ELECTRON
SA ION
SA PROTON
- LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS N65-34582
- CHART**
GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS - CHART SCALE AND PILOT PERFORMANCE TR-751-4 N65-34537
- CHELATE COMPOUND**
CHELATION WITH ALKALINE EARTH METALS, CHELATE COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY, AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239

SUBJECT INDEX

CHEMICAL REACTION

- REMOVAL AGENTS
AWRE-0-4/65 N65-28883
- CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS AND NONCALCAREOUS SOIL
TID-20741 N65-34316
- CHEMICAL ANALYSIS
SA ANALYTICAL CHEMISTRY
- NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC SYSTEM, NOTING FEASIBILITY OF OPERATION
A65-16425
- BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL ANALYSIS OF PLANETARY SURFACE N65-16610
- CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN BIOLOGICAL FLUIDS
KR-80 N65-30572
- CHEMICAL BOND
ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION PROTECTION OF MICE TREATED WITH BIS/2-GUANIDOETHYL/ DISULFIDE /GED/
A65-80169
- MECHANISM FOR EXPLAINING DIRECT CHEMICAL EFFECT OF MAGNETIC FIELDS IN LIVING SYSTEMS
A65-80414
- CHEMICAL COMPOSITION
PROBLEMS REGARDING CHEMICAL COMPOSITION AND PHYSICAL PROPERTY OF VENUS ATMOSPHERE
A65-80868
- MARS ATMOSPHERE PROBLEMS RELATED TO CHEMICAL COMPOSITION AND PHYSICAL PROPERTY
A65-80869
- CHEMICAL EVOLUTION OF TERRESTRIAL AND CYTHEREAN ATMOSPHERES
A65-80890
- PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH EMPHASIS ON CHEMICAL COMPOSITION AND PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS BEYER
FTD-TT-64-636/162 N65-28101
- CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER GROWN IN OPEN TANKS
N65-28103
- CHEMICAL COMPOUND
SA ORGANIC COMPOUND
- ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE
A65-80796
- EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA
A65-80939
- ANIMAL STUDIES ON RADIATION PROTECTION AFFORDED BY CYSTEAMINE AND OTHER CHEMICAL COMPOUNDS
EUR-1835.F N65-13804
- RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN
AD-610947 N65-19211
- INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE
N65-19214
- DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE
N65-19215
- CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS
UCLA-12-551 N65-21823
- RADIATION DOSE MEASUREMENTS AND SCREENING FOR RADIATION PROTECTIVE COMPOUNDS OF LIVING CELLS - BIOSIMIMETRY
N65-22288
- SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131 AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES
REPT.-143 N65-23307
- RADIATION PROTECTION BY CHEMICAL COMPOUNDS IN MAMMALS
N65-23468
- CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN
JPRS-31349 N65-29879
- AEROSOLS, BIOLOGICAL PATHOGENS, CHEMICAL SUBSTANCES - BIBLIOGRAPHY OF SOVIET OPEN LITERATURE PRIOR TO 31 DECEMBER 1962
ATD-B-65-43 N65-32709
- CHEMICAL EFFECT
ROLE OF OXYGEN IN PHENOMENA OF CHEMICAL PROTECTION AGAINST IONIZING RADIATION
A65-80367
- PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE, HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION, AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION BETWEEN PRIMARY EFFECTS OF RADIATION AND CHEMICAL MUTAGENS
N65-25612
- CHEMICAL ENGINEERING
CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED GRAVITATIONAL ENVIRONMENT OF MOON
A65-10763
- CHEMICAL KINETICS
ROTATIONAL DIFFUSION IN MAGNETIC FIELD AS RELATED TO BIOLOGICAL GROWTH AND METABOLIC PROCESSES
A65-80413
- CHEMICAL PROPERTY
EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE BLOOD AND ERYTHROCYTES
A65-21941
- TEMPERATURE EFFECT ON DECOMPOSITION AND PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES
A65-80927
- CHEMICAL AND MECHANICAL ASPECTS OF REGULATION OF RESPIRATION
A65-82019
- GENERAL PROPERTIES AND DISTRIBUTION OF NUCLEOSIDE TRIPHOSPHATASES IN CRUDE EXTRACTS OF ESCHERICHIA COLI
NASA-CR-59104 N65-29387
- OXALOACETATE PROTECTION OF CITRATE CONDENSING ENZYME FROM PALMITYL- CO A
UCRL-7896 N65-35526
- CHEMICAL REACTION
SA DECOMPOSITION
SA DEHYDRATION
SA DEHYDROGENATION
SA DISSOCIATION
SA ELECTROLYSIS
SA HILL REACTION
SA HYDROGENATION
SA HYDROLYSIS
SA ION EXCHANGE
SA IONIC REACTION
SA OXIDATION
SA PHOTOCHEMICAL REACTION
SA POLYMERIZATION
SA SYNTHESIS
- IONIZING RADIATION EFFECTS ON URACIL CARBON 14 INCORPORATION INTO ESCHERICHIA COLI CELLS IN DILUTE SUSPENSION
A65-18224
- EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE ORANGE REACTION
A65-30679

- REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS WITH ANTIPURINYL ANTIBODY WITH OR WITHOUT HEAT DENATURATION A65-33947
- RANDOM POLYMERS AS A MATRIX FOR CHEMICAL EVOLUTION - EXAMPLE OF MELANIN A65-80467
- ENERGY SOURCES AND CHEMICAL REACTIONS IN PREBIOLOGICAL ORGANIC SYNTHESIS A65-80473
- CHEMICAL PATHWAYS OF THE PRIMARY DEVELOPMENT OF METABOLISM AND ARTIFICIAL MODELING OF DEVELOPMENT IN COACERVATE DROPS A65-80484
- DRY BACTERIAL SPORE RADIATION SENSITIVITY STUDY FOR DETERMINATION OF INTRACELLULAR CHEMICAL REACTIONS DURING IRRADIATION N65-23456
- BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN SEQUENTIAL TRANSPORT OF ELECTRONS DURING PHOTOSYNTHESIS N65-32659
- CHEMICAL STERILIZATION**
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT CHEMICALS SELECTION AND BACTERIA CONTROL IN PRODUCT ASME PAPER 65-AV-24 A65-22959
- CHEMICAL WARFARE**
- CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY GAS MASKS AND PROTECTIVE CLOTHING FTD-TT-64-998/162 N65-20024
- CHEMISTRY /GEN/**
- SA ANALYTICAL CHEMISTRY
- SA BIOCHEMISTRY
- SA ELECTROCHEMISTRY
- SA GEOCHEMISTRY
- SA NUCLEAR CHEMISTRY
- SA ORGANIC CHEMISTRY
- SA PHOTOCHEMISTRY
- SA PHYSICAL CHEMISTRY
- SA PHYSIOCHEMISTRY
- SA POLYMER CHEMISTRY
- SA RADIOCHEMISTRY
- MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED FROM PROTEINOID A65-80485
- NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL, PHYSICAL AND CHEMICAL MATTER, AND PHYSICS, CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND METHODS IN EXPLORING LIFE PHENOMENA JPRS-29864 N65-23144
- CHEMORECEPTOR**
- CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE TENSION AND HYDROGEN ION CONCENTRATION A65-80606
- RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF CARBON DIOXIDE PRESSURE A65-80607
- VENTILATORY RESPONSE TO HYPOXIC CHEMORECEPTOR STIMULATION OF CAT AS AFFECTED BY CENTRAL AND PERIPHERAL CARBON DIOXIDE TENSION A65-80786
- MECHANICAL PROPERTIES OF LUNGS AND THORAX AND CHEMICAL CONTROL OF RESPIRATION A65-82020
- ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS A65-82274
- TWO CHEMORECEPTOR MECHANISMS OF CAROTID SINUS REFLEX - HYPOXIA N65-17785
- INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL ARTERY IN DOGS N65-17786
- BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS NASA-CR-63145 N65-25270
- CHEMOTHERAPY**
- BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND PSYCHIC DISEASES JPRS-28527 N65-15872
- CHICKEN**
- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE A65-80724
- EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON CHICK EMBRYO DEVELOPMENT AND METABOLISM A65-80752
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION, AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO HEAT AND COLD A65-81604
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE, ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS, AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS BREATHING NEARLY PURE OXYGEN A65-82154
- MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO ACCELERATIVE FORCE A65-82155
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-CXYGEN ATMOSPHERE NASA-CR-56876 N65-22195
- CHILD**
- ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF CHILDREN BORN AND RAISED IN HIGH ALTITUDE ENVIRONMENT N65-17759
- SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY N65-17762
- STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND DIETS OF CHILDREN N65-36616
- CHIMPANZEE**
- IMPACT STRESS IN CHIMPANZEES SUBJECTED TO G FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC DEHYDROGENASE AND LDH ISOENZYME ANALYSIS A65-22911
- POSITIVE ACCELERATION EFFECT ON CHIMPANZEES IMMERSED IN WATER A65-80727
- REACTION TIME OF PREADOLESCENT CHIMPANZEE ARL-TR-64-10 N65-10466
- HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSED IN WATER TO TEST PHYSIOLOGICAL RESPONSE NADC-MA-6139 N65-15558
- DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS - CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET SLED AND EFFECT OF VARIOUS DECELERATION FACTORS ON HUMAN RESTRAINED BY STRAPS AD-609412 N65-19676
- HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES ON ROCKET SLED N65-19677
- CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL SERUMS FOLLOWING RESTRAINT ARL-TR-64-12 N65-20895
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING HEMATOLOGIC ALTERATIONS ARL-TR-64-13 N65-20896
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING URINE ALTERATIONS ARL-TR-64-14 N65-20897
- HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS INFECTION AND CONTROLLED FEVER IN CHIMPANZEES N65-22761

SUBJECT INDEX

CHLORELLA

- MUSCULAR ANATOMY AND STRENGTH COMPARED IN CHIMPANZEE AND HUMAN
ARL-TR-65-4 N65-26129
- CLINICAL MANAGEMENT OF CHIMPANZEE COLONY
SAM-TDR-64-45 N65-34515
- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO NEAR VACUUM AND SUBSEQUENT RECOMPRESSION - AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING SUBJECTED TO DECOMPRESSION TO NEAR VACUUM FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES BEFORE, DURING, AND AFTER RAPID DECOMPRESSION TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC CORTICAL LEADS IN CHIMPANZEE FOR ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE MEDICINE
N65-36771
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- CHINA
- AERONAUTICAL TRAINING AND MILDEW PREVENTION IN CHINA
JPRS-27506 N65-12183
- SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA - FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY
JPRS-29641 N65-23371
- COMMUNIST CHINA SCIENCE AND TECHNOLOGICAL REPORTS - ORAL CONTRACEPTIVE STEROIDS, SECONDARY ELECTRON, ENTOMOLOGY, SCHISTOSOMIASIS PREVENTION, AND DRUG TREATMENT
JPRS-30299 N65-24887
- CHLORELLA
- SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM FERMENTED EXCRETA
A65-14382
- ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM FOR CHLORELLA 71105
A65-22770
- PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING DWARF MOUSE AND ILLUMINATED SUSPENSION OF CHLORELLA ELLIPSOIDEA
A65-31005
- SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN SOURCES, OBSERVING GROWTH
A65-32567
- TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH TEMPERATURE STRAIN CHLORELLA 7-11-05
A65-32939
- OXYGEN LACK EFFECT ON INDUCTIVE PHASE OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION IN CHLORELLA VULGARIS
A65-80317
- BIOSYNTHESIS OF AMINO ACIDS IN GREEN ALGA, CHLORELLA VULGARIS
A65-80346
- CULTURE TECHNIQUE AND ENVIRONMENTAL FACTORS IN USING ALGAE FOR PHOTOSYNTHETIC GAS EXCHANGE
A65-80378
- SYNTHETIC ACTIVITY DURING NONSYNCHRONIZED GROWTH CHLORELLA, SEPARATED INTO AGE GROUPS BY FRACTIONAL CENTRIFUGATION
A65-80505
- VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596
- FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA
A65-80597
- CONTROLLED BIOSYNTHESIS OF CARBOHYDRATES IN CHLORELLA
A65-80598
- ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY CHLORELLA PYRENOIDOSA PRINGSHEIM 82T
A65-80599
- FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE, CHLORELLA PYRENOIDOSA
A65-80618
- EFFECT OF ULTRAVIOLET RADIATION GROWTH AND MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- CHEMICAL PROTECTION OF CHLORELLA FROM ULTRAVIOLET RADIATION
A65-80659
- METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN CHLORELLA CELLS
A65-80704
- COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY USE OF EXPONENTIAL FORMULA
A65-80803
- SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES DURING SYNCHRONOUS GROWTH OF CHLORELLA PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
A65-80810
- PHOTOSYNTHETIC ACTIVITY IN SMALL AND LARGE CELLS OF CHLORELLA PYRENOIDOSA, 7-11-05
A65-80811
- NITROGEN METABOLISM DURING SYNCHRONOUS GROWTH OF ALGA, CHLORELLA PYRENOIDOSA
A65-80880
- ISOLATION OF DNA-RNA COMPLEX FROM CHLORELLA CELLS
A65-80933
- SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN CONNECTION WITH CHLOROPLAST FORMATION IN GREEN ALGA, CHLORELLA PROTOTHECOIDES
A65-80937
- EFFECT OF ACTINOMYCIN AND ROLE OF NUCLEIC ACIDS ON GREENING OF GLUCOSE-BLEACHED AND ETIOLATED ALGAL CELLS
A65-80938
- CHANGES IN MINERAL CONCENTRATION IN NUTRIENT MEDIUM DURING GROWTH OF CHLORELLA
A65-80940
- BIOLOGICAL PARAMETERS OF GROWTH CYCLE OF SYNCHRONOUS CULTURE OF THERMOPHYLIC ALGA, CHLORELLA PYRENOIDOSA
A65-80941
- QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS OF GROWTH
A65-81194
- HETEROTROPHIC GROWTH, CARBOHYDRATE METABOLISM AND PRODUCTION OF XANTHOPHYLLS BY CHLORELLA PYRENOIDOSA
A65-81285
- NATURE AND ROLE OF BACTERIAL CONTAMINANTS IN MASS CULTURES OF THERMOPHYLIC CHLORELLA PYRENOIDOSA
A65-81286
- CHLOROPHYLLS SEPARATED BY PAPER CHROMATOGRAPHY FROM CHLORELLA VULGARIS EXTRACTS
A65-81323
- PRODUCTION OF THIAMINE, RIBOFLAVIN, FOLIC ACID AND BIOTIN BY CHLORELLA VULGARIS AND CHLORELLA PYRENOIDOSA
A65-81339
- GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME, LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON PHOTOSYNTHESIS
A65-81590
- EFFECTS OF GLUCOSE ON PROCESS OF CHLOROPLAST DEVELOPMENT IN CHLORELLA PROTOTHECOIDES
A65-81640
- KINETICS OF OXYGEN PRODUCTION DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA
A65-81677

- CHEMICAL INHIBITION OF PHOTOSYNTHETIC CARBON
REDUCTION CYCLE IN CHLORELLA PYRENOIDOSA A65-81762 N65-26388
- KINETICS OF PHOTOSYNTHETIC FLUORESCENCE INDUCTION
RELATED TO OXYGEN PRODUCTION IN CHLORELLA
PYRENOIDOSA A65-81763 N65-27857
- IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS A65-81891 N65-28101
- EFFECT OF AERATION ON COEFFICIENT OF SPECTRAL
ABSORPTION IN SUSPENSION OF CHLORELLA SP. A65-81938
- PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA
71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS
AND LIGHT A65-81976 N65-28102
- INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD. A65-82051
- IONIZING EFFECT OF BETA PARTICLES ON RATE OF
GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA
CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON
A65-82242 N65-32876
- EFFECTS OF ILLUMINATION CHARACTERISTICS ON MITOSIS
IN CHLORELLA PYRENOIDOSA CULTURES A65-82317 N65-35786
- NATURALLY OCCURRING STEROLS OF CHLORELLA VULGARIS,
C. ELLIPSOIDEA, AND C. SACCHAROPHILID A65-82346
- DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES A65-82347
- EFFECT OF MITOMYCIN C ON PROCESSES OF GREENING AND
DIVISION OF GLUCOSE BLEACHED CELLS OF CHLORELLA
PROTOTHECOIDES A65-82348
- PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR
APPLICATION IN CLOSED ECOLOGICAL SYSTEMS
NASA-CR-60396 N65-15801
- PHOTOSYNTHESIS IN CHLORELLA CELL DEVELOPMENT
AND AGING N65-15802
- VAN SLYKES BUFFER VALUES FOR CHLORELLA CELL
SECRETIONS INTO SURROUNDING MEDIUM N65-15803
- ANALYTIC CHEMISTRY AND DETERMINATION OF STEROLS IN
SIX SPECIES OF CHLORELLA N65-15804
- PHYSIOLOGICAL AND MORPHOLOGICAL RELATIONSHIPS
BETWEEN MARINE SPECIES OF CHLORELLA N65-15805
- BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA
N65-16814
- GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63 N65-16880
- AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN
REGENERATION SYSTEM
FTD-TT-64-247/1&2 N65-18227
- GLUCOSE INFLUENCE ON PHOSPHORUS METABOLISM IN
CHLORELLA N65-21073
- CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY
CHLORELLA IN LIGHT AND DARK
REPT.-135 N65-23301
- METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY
CHLORELLA VULGARIS
REPT.-132 N65-23645
- WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES
- RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND
THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND
PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR
ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/1&2 N65-27857
- PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH
EMPHASIS ON CHEMICAL COMPOSITION AND
PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS
BEYER
FTD-TT-64-636/1&2 N65-28101
- PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT
MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON
SYNTHESIS AND MULTIPLICATION OF SPECIES N65-28102
- CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER
GROWN IN OPEN TANKS N65-28103
- WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND
NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS
DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS
LINK IN ECOSYSTEM - ABSTRACTS
NASA-TT-F-9536 N65-32876
- PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF
CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED
ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786
- CHLORINE COMPOUND
ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT A65-80141
- CHLOROBENZENE
CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL
EFFECT OF SMALL CONCENTRATION ON MAN N65-24939
- CHLOROPHYLL
EFFECT OF ACTINOMYCIN AND ROLE OF NUCLEIC ACIDS ON
GREENING OF GLUCOSE-BLEACHED AND ETIOLATED ALGAL
CELLS A65-80938
- CHLOROPHYLLS SEPARATED BY PAPER CHROMATOGRAPHY
FROM CHLORELLA VULGARIS EXTRACTS A65-81323
- CHLOROPLAST
INCORPORATION OF 5-BROMOURACIL AND PLASTID
MUTATION DURING REPLICATION OF PLASTID
DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND
SULPHANILAMIDE A65-31389
- SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN
CONNECTION WITH CHLOROPLAST FORMATION IN GREEN
ALGA, CHLORELLA PROTOTHECOIDES A65-80937
- EFFECTS OF GLUCOSE ON PROCESS OF CHLOROPLAST
DEVELOPMENT IN CHLORELLA PROTOTHECOIDES A65-81640
- DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES A65-82347
- HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST
EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION,
USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS
NASA-CR-52090 N65-16984
- CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070
- PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC
REACTIONS IN ISOLATED CHLOROPLASTS
AFCL-65-550 N65-34185
- HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH

- NASA-CR-67374 N65-35580
- CHLORPROMAZINE**
CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE
TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION
A65-31007
- AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON
OF CHLORPROMAZINE, PROCLORPERAZINE, AND
AMOBARBITAL FOR IN-FLIGHT MANAGEMENT
A65-80130
- HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA
BUT LOWERED BY INSULIN AND CHLORPROMAZINE
A65-80587
- AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY
D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- PREVENTION OF HYPERTENSION CAUSED BY INDUCED
KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOG
A65-81988
- CHOLESTEROL**
NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING
PERFORMANCE, BODY WEIGHT, MORTALITY, AND
ATHEROMATOSIS IN RATS
A65-80936
- CHOLINE**
SA ACETYLCHOLINE
PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT
A65-81736
- CHROMATOGRAPHY**
SA GAS CHROMATOGRAPHY
SA PAPER CHROMATOGRAPHY
SA THIN LAYER CHROMATOGRAPHY
CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES
A65-34670
- BOUND AND FREE CORTICOSTEROID IN PLASMA OF TWO
SUBSPECIES OF DEER MICE, PEROMYSCUS MANICULATUS,
AFTER EXPOSURE TO LOW AMBIENT TEMPERATURE
IDENTIFIED THROUGH CHROMATOGRAPHY
A65-80511
- PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY
N65-22299
- CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
RIBONUCLEIC ACID IN BACILLUS
ISS-64/48 N65-23306
- CHROMIUM BORIDE**
TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST
ON WHITE RATS
N65-11460
- CHROMIUM CARBIDE**
TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST
ON WHITE RATS
N65-11460
- CHROMOSOME**
SA BIOLOGICAL CELL
SA GENETICS
PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS
A65-81190
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS
A65-81596
- EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON
CHROMOSOMES OF PLANT SEEDS
A65-81601
- DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME
REPLICATION IN CAT BONE MARROW CELLS
USNRDL-TR-779 N65-11959
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION
BETWEEN PRIMARY EFFECTS OF RADIATION AND
CHEMICAL MUTAGENS
N65-25612
- GENETIC RECOMBINATION RESULTING FROM INTERACTION
BETWEEN FRAGMENT AND ANNULAR CHROMOSOMES IN
ESCHERICHIA COLI K-12 STRAINS
N65-25613
- CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY
OF SEEDS AND IRRADIATION INTENSITY
N65-25614
- SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE
PROPAGATION AND TRANSCRIPTION, DUAL
TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM,
AND PROTOPLASM
UCRL-14254 N65-31001
- CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING
GENETIC EFFECTS OF RADIATION - HEREDITY
JPRS-31635 N65-31211
- EFFECTS OF VIBRATIONS ON CHROMOSOMES/CELLS FROM
VARIOUS ORGANISMS
NASA-CR-64642 N65-33252
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS
N65-34942
- CINEMATOGRAPHY**
MOTION PICTURE RECORDING OF OPTOKINETIC AND
VESTIBULAR NYSTAGMUS
A65-80041
- MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS
A65-80312
- FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND
CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN
IRRADIATION DOSAGE AND FILTRATION OF PRIMARY
BEAM
N65-26805
- CINNARIZINE**
CUPULOMETRY AS INVESTIGATIVE TOOL AND INFLUENCE OF
CINNARIZINE ON LABYRINTHINE FUNCTION
A65-81045
- CIRCUIT**
SA LOGIC CIRCUIT
SA SWITCHING CIRCUIT
SA TRANSISTOR CIRCUIT
ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024
PRINTING CARD PUNCH APPARATUS
ISS-64/39 N65-19607
- CIRCULATION**
S BLOOD CIRCULATION
S PERIPHERAL CIRCULATION
- CIRCULATORY SYSTEM**
SA ARTERY
SA BLOOD CIRCULATION
SA CAPILLARY
SA VEIN
CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS
DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT
AMBIENT ENVIRONMENT
A65-12527
- FOUR WEEKS BED REST EFFECT ON CIRCULATORY
FUNCTIONS IN MAN
A65-14236
- WEIGHTLESSNESS EFFECTS ON CIRCULATORY FUNCTIONS
FOR VARIOUS ACTIVITY LEVELS DETERMINED FROM SPACE
SIMULATOR, BED REST AND MANNED FLIGHT STUDIES
A65-14528
- DECOMPRESSION SICKNESS AND INCIDENCE OF
NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF
MEDICAL TEAM
A65-34200
- REFLEX CIRCULATORY AND RESPIRATORY RESPONSES TO
HYPOXIA - A REVIEW
A65-80356
- COMPARISON OF CHRONIC HYPOXIA OF ALTITUDE AND THAT
PRODUCED BY RIGHT TO LEFT CIRCULATORY SHUNTS
A65-80359

CIVIL AVIATION

SUBJECT INDEX

- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383
- PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE SYSTEMS A65-80491
- CIRCULATORY TIME AND HEART MINUTE VOLUME IN HEALTHY YOUNG MEN DURING PHYSICAL STRESS A65-80694
- DEGREE OF RESPONSE OF VARIOUS PHYSIOLOGICAL SYSTEMS TO VIBRATION STRESS IN ALBINO RATS A65-81701
- EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO MICROWAVE IRRADIATION A65-81866
- CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE A65-82148
- ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE WITH CIRCULATORY DISTURBANCES INFLUENCED BY BEDREST AND EXERCISE A65-82214
- QUANTITATIVE MEASUREMENTS OF CIRCULATION OF CALF MUSCULATURE IN MAN A65-82229
- MECHANISMS OF CONTROL OF CEREBRAL CIRCULATION AND ARTERIAL CARBON DIOXIDE TENSION NASA-CR-50682 N65-16430
- VARIABILITY OF VITAL SIGNS AND CIRCULATORY DYNAMICS DURING BED REST - HUMAN ENGINEERING NASA-CR-179 N65-18502
- CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION OF RADIOACTIVE ISOTOPES JPRS-31007 N65-28223
- NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF CIRCULATORY SYSTEM HDL-TR-1244 N65-28236
- CIVIL AVIATION**
SA AIR TRANSPORTATION
- TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING APPLIED TO CURRENT COMMERCIAL TRANSPORTS, DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND HANDLING QUALITIES A65-14227
- OPHTHALMOLOGIST APPROVAL OF CONTACT LENSES BY PILOTS IF PROPERLY FITTED A65-18434
- SAFETY FACTORS AND ADVANTAGES INVOLVED IN CONTACT LENS UTILIZATION BY COMMERCIAL AND AIRLINE PILOTS A65-24097
- HANDBOOK OF AVIATION STATISTICS A65-80532
- OPINIONS OF JAPANESE FLYING PERSONNEL CONCERNING PREVENTION OF CIVIL AIRCRAFT ACCIDENTS A65-80552
- CIVIL AVIATION AND USE OF CONTACT LENSES A65-80580
- NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT PERSONNEL A65-80873
- PHYSICAL FITNESS AND PILOT SELECTION IN CIVIL AVIATION A65-81370
- LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN EQUATORIAL AFRICA A65-81517
- LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY AND CIVIL AVIATION USEFUL TO PATHOLOGISTS A65-81540
- PILOT TRAINEE SELECTION PROGRAM OF IRISH
- INTERNATIONAL AIRLINES A65-81779
- HEARING PROBLEMS IN PERSONNEL OF SABENA AIRLINES FROM 1958 TO 1962 A65-81780
- MEDICAL SERVICE FOR SOVIET CIVIL AVIATION N65-13634
- SURVIVAL, SEARCH, AND RESCUE OPERATION TRAINING TECHNIQUES FOR GENERAL AVIATION PILOTS AND AIRCRAFT OWNERS N65-29753
- CLEAN ROOM**
SA ENVIRONMENTAL CONTROL
- COMPATIBILITY OF STERILIZATION AND CONTAMINATION CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY, EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL PARTICLES UNDER PRESENT CLEAN ROOM AND WORK STATION CONDITIONS A65-35114
- MICROBIAL CONTAMINATION OF CLEAN ROOMS NASA-CR-60184 N65-15148
- MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN ROOM SC-RR-65-47 N65-19646
- CLIMATE**
- CLOTHING FUNCTION IN ALTERING HEAT LOSS FROM SKIN IN HOT, TEMPERATE, AND COLD CLIMATES A65-80501
- REACTION AND PHYSICAL PERFORMANCE CAPACITY OF MAN AS AFFECTED BY CLIMATE A65-80502
- CLIMATIC CONTROL OF OUTDOOR AND INDOOR ENVIRONMENTS FOR SURVIVAL, COMFORT, AND THERAPY A65-80503
- CONTROLLED-CLIMATE CHAMBER USED TO DETERMINE EFFECT OF VARYING CLIMATIC FACTORS ON DISEASES AND ABNORMAL CONDITIONS A65-80504
- THERMAL COMFORT STANDARDS AND PERFORMANCE RELATED TO CLIMATE A65-80902
- SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/ FACTORS IN RELATION TO PRODUCTION OF HIBERNATION IN RODENTS A65-81465
- CLIMATIC EFFECTS ON CHRONIC MICROWAVE IRRADIATION JPRS-31280 N65-29246
- HUMAN ACCLIMATIZATION TO HOT CLIMATE CONDITIONS - MEDICAL RESEARCH JPRS-31463 N65-31717
- EFFECT OF CLIMATIC FACTORS ON ACCLIMATIZATION TO HIGH ALTITUDE ENVIRONMENTS JPRS-31761 N65-32377
- CLIMATOLOGY**
MEDICAL CLIMATOLOGY - ASPECTS OF PHYSIOLOGY, NUTRITION AND BIOLOGY A65-80548
- CLINICAL MEDICINE**
BIOECOLOGICAL AND BIOMEDICAL MONITORING FOR DESIGN OF HEALTH SURVEILLANCE SYSTEMS FOR ASTRONAUTS IN SPACE A65-26746
- MECHANISM AND MANAGEMENT OF HYPERVENTILATION SYNDROMES A65-80408
- BIBLIOGRAPHY OF BIOLOGICAL EFFECT OF STATIC AND EARTH MAGNETIC FIELDS AS RELATED TO LIVING TISSUE AND CLINICAL APPLICATION A65-80434
- CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF KEROSENE POISONING A65-80531
- SIMULTANEOUS CARDIOSCOPIC SCAN AND VECTORCARDIOGRAPHIC RECORDING IN MAN A65-80604
- DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED RESPIRATION IN INTACT ANIMALS A65-80765
- CLINICAL APPLICATION OF TELEMETERING METHOD OF

SUBJECT INDEX

CLOSED ECOLOGICAL SYSTEM

PHYSIOLOGICAL DATA	A65-81193	USE OF TELEMTRY IN INTENSIVE-CARE WARDS	N65-34002
INTERHOSPITAL PHYSIOLOGICAL MONITORING SYSTEM AS RELATED TO TELEMTRY	A65-81284	DIAGNOSTIC MONITORING IN OFFICE PROCEDURES - BIOTELEMTRY	N65-34004
MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN HOSPITAL TRANSMITTED BY TELEMTRY	A65-81312	APPLICATION OF TELEMTRY SYSTEMS TO BIOLOGICAL STUDY DUE TO MICROMINIATURIZATION	N65-34006
CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING	A65-81732	CLOSED CIRCUIT TELEVISION	
RADIOACTIVE NUCLIDES FOR CLINICAL RADIOGRAPHY REPT--5	N65-13532	MOBILE REMOTE HANDLING UNIT POSITIONED UNDER AUGMENTED TELEVISION CONDITIONS - HUMAN ENGINEERING FOR REMOTE HANDLING SYSTEMS AMRL-TR-65-6	N65-27091
EFFECT OF VARIOUS RADIO FREQUENCIES ON CLINICAL SYNDROMES - MEDICINE	N65-21573	REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR WITH CLOSED CIRCUIT TELEVISION	N65-35517
MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY COMPUTER, GAS EXCHANGE DURING RADIATION SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT	N65-22728	CLOSED ECOLOGICAL SYSTEM	
CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER - CYBERNETICS	N65-22729	SA LIFE SUPPORT SYSTEM	
CLINICOPHYSIOLOGICAL ASPECTS OF MEDICAL PROGRAM AND SPACECREW REACTION STUDIED BY PHYSICIAN ON INTERPLANETARY FLIGHT AND SEISMOCARDIOLOGICAL DATA	N65-23422	SA OXYGEN PRODUCTION	
CLINICAL ASPECTS OF MEDICAL PROGRAM FOR INTERPLANETARY FLIGHT WITH PHYSICIAN IN SPACECREW	N65-23423	SA SPACE CABIN ATMOSPHERE	
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT THYROID TUMORS	N65-23729	SA SPACECRAFT ENVIRONMENT	
ELECTRONIC MEASURING APPARATUS TO DIAGNOSE STOMACH DISORDERS, ADRENAL CORTEX CONDITION IN CARDIOVASCULAR AND METABOLIC DISORDER, AND HORMONE CONCENTRATIONS	N65-24065	SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM FERMENTED EXCRETA	A65-14382
DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS - HUMAN PATHOLOGY AND CLINICAL MEDICINE	N65-24435	HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS	A65-14383
ROLE OF GENETICS IN HUMAN PATHOLOGY - CLINICAL MEDICINE	N65-24437	PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE CONTROL AND FOOD PRODUCTION	A65-17930
RADIATION MEDICINE - USE OF RADIATION IN CLINICAL DIAGNOSIS, RADIATION INJURY, DETECTING RADIOACTIVITY, AND RADIOSENSITIVITY	N65-25657	ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM FOR CHLORELLA 71105	A65-22770
ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS	N65-25660	SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND REMOVAL OF HUMAN WASTES	A65-23920
CARDIOLOGY - CLINICO-INSTRUMENTAL INVESTIGATION OF MITRAL DISEASE	N65-25669	LIFE SUPPORT SYSTEM REQUIREMENTS FOR MANNED SPACE MISSIONS PRESENTING SYNTHETIC CLOSED ECOLOGICAL SYSTEM	A65-31672
CLINICO-INSTRUMENTAL INVESTIGATION OF CONTRACTILE FUNCTION OF HEART	N65-25670	CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND ALGATRON SYSTEMS	A65-33150
USE OF ISOTOPES IN CLINICAL, PREVENTIVE, AND GENERAL MEDICINE	N65-27609	BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION WATER RECOVERY UNIT	A65-34474
INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND EXERCISE ON CARDIOVASCULAR RESPONSES	N65-28763	EFFICIENCY AND STABILITY OF COMPLEX CLOSED ECOLOGICAL SYSTEM OPERATING ON SOLAR ENERGY AND WITH INTERNAL FEEDBACKS EVALUATED FROM THERMODYNAMIC AND KINETIC VIEWPOINTS	A65-36236
CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN CLINICAL PRACTICE	N65-33261	EXPERIMENTAL EXPOSURE OF HUMAN SUBJECTS TO CLOSED ENVIRONMENT SYSTEM FOR SIMULATION OF SPACE CAPSULE CONDITIONS	A65-80930
BIOLOGICAL APPLICATION OF TELEMTRY TECHNIQUES - BIOTELEMTRY	N65-34001	AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS	A65-80942
		PROBLEMS OF ENVIRONMENTAL CONTROL IN CLOSED SPACE VEHICLE	A65-81038
		ENVIRONMENTAL CONTROL OF CLOSED SPACE IN NUCLEAR SUBMARINE	A65-81039
		ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL SYSTEM	A65-81251
		CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING LIGHT-DARK SEQUENCE	A65-81872
		INVESTIGATION OF GAS EXCHANGE IN PLANTS IN CLOSED	

- SYSTEM WITH HELP OF CARBON 14 IN CARBON DIOXIDE
A65-81924
- STRESS FACTORS FOUND IN 120 DAY SEALED CHAMBER TESTS
JPRS-28490 N65-15355
- PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR APPLICATION IN CLOSED ECOLOGICAL SYSTEMS
NASA-CR-60396 N65-15801
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554 N65-16812
- PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM
NASA-CR-55131 N65-17072
- PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM
NASA-CR-60892 N65-17867
- WASTE MANAGEMENT FOR CLOSED ENVIRONMENTS - PROCESS CONTROL, COLLECTION, TRANSPORT, AND TREATMENT
N65-18577
- SIMULATION OF CLOSED ATMOSPHERES FOR SPACE FLIGHTS
N65-33631
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION PROBLEMS
NASA-TT-F-9590 N65-35784
- PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786
- CLOSED LOOP SYSTEM**
MATHEMATICAL DESCRIPTION OF INPUT-OUTPUT BEHAVIOR OF HUMAN OPERATOR ACTING AS ELEMENT IN CLOSED LOOP CONTROL SYSTEM
A65-25202
- CLOSTRIDIUM**
PHOSPHOROCLASTIC REACTION CATALYZED BY CLOSTRIDIUM NIGRIFICANS, THERMOPHILIC SULPHATE-REDUCING BACTERIUM
A65-17522
- CLOTHING**
SA FLIGHT CLOTHING
SA HELMET
SA PROTECTIVE CLOTHING
SA SHOE
- CLOTHING FUNCTION IN ALTERING HEAT LOSS FROM SKIN IN HOT, TEMPERATE, AND COLD CLIMATES
A65-80501
- HOT-WIRE MICROANEMOMETER OF AIR MOVEMENTS INSIDE CLOTHING
A65-81921
- CLUSTER**
CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK AND RANDOM PRESENTATION, VARIABLE EXPOSURE TIMES, AND LISTS OF HIGH AND LOW FREQUENCY ASSOCIATES OF CATEGORY NAMES
TR-3 N65-36307
- COBALT 60**
WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- LIVER REGENERATION DETERMINATION IN WHITE MICE AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/16264 N65-10285
- RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378
- RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828
- LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORC-626 N65-22081
- CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL YEAST THROUGH COBALT 60 IRRADIATION
SGAE-BL-12/1964 N65-22964
- COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE PHANTOM FOR RADIATION EXPERIMENTS INVOLVING SHEEP
USNRDL-TR-842 N65-30503
- RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60 GAMMA RADIATION AND X-RAYS ON CARTILAGE OF YOUNG RABBIT LARYNX
ANL-TRANS-121 N65-32833
- COCHLEA**
CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE AND FLUID SPACES
A65-25646
- COMPARISON OF SELECTED FEATURES OF ELECTRIC RESPONSES RECORDED FROM UNITS IN AUDITORY NERVE AND COCHLEAR NUCLEUS
A65-31724
- SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR NUCLEUS OF ANESTHETIZED CATS
A65-32938
- COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL ANIMALS AND IN MAN
A65-81052
- DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC CONDITIONS
A65-81076
- ORGAN OF CORTI- HISTOPHYSIOLOGY AND HISTOCHEMISTRY
A65-81422
- MORPHOLOGY OF SENSORY CELLS IN ORGAN OF CORTI OF MAN
A65-81503
- FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH RADIOACTIVE POTASSIUM 42
A65-81543
- EVOCKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND CEREBRAL CORTEX
A65-81672
- COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT CARBON DIOXIDE, AND EPINEPHRINE
A65-82017
- DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF COCHLEA
A65-82130
- SIGNIFICANCE OF OLIVO-COCHLEAR BUNDLE FOR ADAPTATION MECHANISM OF INNER EAR
A65-82131
- STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR NUCLEUS IN CATS
A65-82135
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF CAT DURING ACOUSTICAL STIMULATION
A65-82268
- STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND REACTION TIME IN DETERMINING AUDITORY NEURAL LESIONS
A65-82270
- COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING SOUND STIMULATION AND HYPOTHERMIA
A65-82306
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE
A65-82308
- ELECTRONIC ANALOG ARTIFICIAL EAR MODEL SIMULATION FOR COMPLEX SOUND CLASSIFICATION AND THEORY OF HEARING - ANALOG COCHLEA

SUBJECT INDEX

COLD WEATHER TESTING

- NOLTR-64-191 N65-22496 A65-81137
- ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573 N65-36594 A65-81138
- COCKPIT
SA AIRCRAFT CABIN
- PILOT COCKPIT DISPLAY DESIGN AND VIEWING SYSTEM
AGARD-491 N65-27730 A65-81140
- COCKPIT SIMULATOR
PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED
AND MANEUVERING ACCELERATION STRESS ON PILOT
PERFORMANCE IN LOW LEVEL MISSION
NASA-TM-X-51748 N65-21756 A65-81299
- CODE
SA GENETIC CODE
- SPACE RADIATION SHIELDING CODE FOR SPACECRAFT
GEOMETRY N65-34634 A65-81605
- CODING
SA ENCODING
SA PROGRAMMING
- DISPLAY-CONTROL RELATIONSHIP, ABILITY TO SEE WHAT
ONE IS DOING AND PHASE OF TRAINING INTERACTIONS
IN SENSORIMOTOR TASK A65-80337
- AURAL CODING AND CLASSIFICATION IN SHORT-TERM
MEMORY A65-81932
- STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR
NUCLEUS IN CATS A65-82135
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION A65-82268
- VERBAL CODING AND DISPLAY CODING IN ACQUISITION
AND RETENTION OF TRACKING SKILL A65-82293
- CODING SYSTEM
MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE
STIMULUS PRESENTATIONS A65-80563
- COEFFICIENT
S ABSORPTION COEFFICIENT
S HEAT-TRANSFER COEFFICIENT
- COGNITION
SA RECOGNITION
- SENSORY DEPRIVATION AND COGNITIVE DISORDER
A65-81040
- FIELD INDEPENDENCE-DEPENDENCE AND SUSCEPTIBILITY
TO DISTRACTION A65-81564
- COGNITIVE AND PERCEPTUAL DISTURBANCES IN
SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF
DIFFERENTIAL EXPECTANCY LEVELS A65-81665
- FRAMEWORK FOR REPRESENTING AND INVESTIGATING
FUNCTIONAL PROPERTIES OF COGNITION A65-82040
- HUMAN PERFORMANCE ON CONTINGENT DISCRIMINATION
TASK A65-82336
- COLD ACCLIMATIZATION
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMATIC ACTIVITY OF BROWN
FAT OF HAMSTERS A65-80096
- SKIN THERMOREGULATION DURING COLD EXPOSURE IN
HUMAN ORGANISMS PREVIOUSLY ADAPTED TO COLD
A65-80546
- EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT A65-80934
- THERMOREGULATION AND COLD ACCLIMATIZATION IN
GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS
- THERMOREGULATION AND COLD ACCLIMATIZATION IN
HAMSTER, MESOCRICETUS AURATUS A65-81138
- PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC A65-81140
- RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO
INFUSED NOREPINEPHRINE AND BODY COOLING A65-81299
- THYROID SECRETION RATE AND FECAL ELIMINATION IN
COLD ACCLIMATED RAT A65-81605
- SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT
OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA
AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES
A65-81622
- TEMPERATURE REGULATION IN COLD AND WARM ADAPTED
RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD
PRECOOLING A65-82146
- ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF
YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING
OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION
A65-82162
- HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD
A65-82192
- BODY-CHARACTERISTICS EFFECT ON HUMAN TEMPERATURE
RESPONSES TO HIGH ALTITUDE COLD
AD-422588 N65-15129
- HUMAN ACCLIMATIZATION TO HOT CLIMATE CONDITIONS -
MEDICAL RESEARCH
JPRS-31463 N65-31717
- COLD TOLERANCE /BIOL/
VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/
AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT
INFORMATION NECESSARY FOR LIVING SYSTEM
SPECIFICATION IS STORED IN ATOM CONFIGURATION
A65-31004
- REPEATED FREEZING AND THAWING OF CULTURES OF
ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND
FROZEN WITHOUT CARBON SOURCE A65-32937
- INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY
HUMAN A65-80106
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND
HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30 N65-18972
- COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE
PILOTS WEARING FULL PRESSURE HIGH ALTITUDE
FLYING OUTFIT
AAL-TDR-64-23 N65-24082
- PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON
RATS EXPOSED TO WARM AND COLD CONDITIONS
AAL-TDR-64-15 N65-24593
- STABILITY OF TEMPERATURE REACTION AND CHANGES IN
OXIDATION PROCESSES DURING CHILLING IN HUMANS
ADAPTED AND NOT ADAPTED TO COLD
N65-24940
- HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO
CCLC
AAL-TDR-64-9 N65-35630
- COLD WEATHER
COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL
AND REVIEW OF BODY HEAT CONTROL SYSTEM
N65-29768
- COLD WEATHER TESTING
PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD
STRESS FOR INTERPRETATION OF DIFFERENCES IN
ACTION OF THERAPEUTIC DRUGS AT VARIOUS
ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20 N65-25254

COLLECTOR

SUBJECT INDEX

COLLECTOR

AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM N65-25668

SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID
FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677

COLLOID

SA ELECTROPHORESIS

BIOCOLLOIDAL MATTER IN ATMOSPHERE N65-23987

COLOR PERCEPTION

HUMAN VISUAL SYSTEM IN TERMS OF OPTICS AND ENERGY
PULSES, DETAILING COLOR VISION A65-12431

CHEMICAL AND PSYCHOPHYSICAL FACTORS UNDERLYING
PERCEPTION OF COLOR AND COLOR BLINDNESS A65-26943

SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE
BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC
PERCEPTION AND COLOR VISION A65-29058

SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS
DETERMINED, USING ADDITION CURVES FOR NORMAL
TRICHROMATES A65-30076

VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN
RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL
RESPONSE A65-32883

HUMAN EYE PHYSIOLOGY WITH RESPECT TO SENSITIVITY
AND PERCEPTION FOR ASTRONOMICAL OBSERVATION
A65-32922

MONOCULAR DISCRIMINATION BY TRAINED GOLDFISH OF
DIFFERENT PATTERNS AND COLORS, SHOWING
INTERHEMISPHERIC COLOR INFORMATION TRANSFER MORE
EFFECTIVE THAN PATTERN A65-35588

ACHROMATIC AXIS OF EYE DETERMINED WITH RESPECT TO
CENTER OF PUPIL A65-36154

SIMULTANEOUS CONTRAST INVOLVING LUMINANCE
AND PURITY ALTERATION OF GANZFELD A65-80240

RETINAL LOCUS IN TACHISTOSCOPIC
BINOCULAR COLOR RIVALRY A65-80254

COLOR VISION- FUNCTIONAL INTERPRETATION
OF COLOR PERCEPTION, CLINICAL DIAGNOSTIC
TESTS, GENETICS, AND INDUSTRIAL APPLICATIONS
A65-80269

DERMAL LIGHT SENSITIVITY WITH RESPECT TO COLOR
EXPLORED WITH 80 SUBJECTS A65-80572

COLOR PERCEPTION REVIEWED WITH RESPECT TO
PHYSICAL, PSYCHOPHYSICAL, AND PSYCHOLOGICAL
VARIABLES A65-80612

PHASE SHIFT EFFECT ON PERCEPTION OF ALTERNATING
COLORED STIMULI A65-80769

HUMAN ELECTRORETINOGRAM RESPONSE TO SLOW
FLICKERING LIGHT STIMULUS AS RELATED TO COLOR
VISION AND EYE DISEASE A65-80778

MISUSE OF RED LIGHT AS A RUNNING LIGHT ON
AUTOMOBILES AND EFFECT ON VISION A65-80867

COLOR DISCRIMINATION AS FUNCTION OF EXPOSURE TIME
A65-81017

COLOR PERCEPTION IN HUMAN BY CUTANEOUS MEANS
A65-81230

EFFECT OF EXPOSURE TIME ON INDUCED COLOR
A65-81420

COLOR VISION OF FLYING PERSONNEL TESTED BY
CHROMATOSCOPE TEST METHOD A65-81975

FOVEAL AND PARAFOVEAL COLOR VISION A65-82264

CHROMATIC INDUCTION IN HUMAN EYE BY PULSATING
BLACK AND WHITE FLASHES A65-82265

ADAPTATION OF HUMANS TO COLORED SPLIT-FIELD
GLASSES A65-82283

VISUAL PERCEPTION - ADAPTATION TO ARTIFICIAL
CHROMATIC DISTORTIONS AND NATURAL VISUAL DEFECTS
REPT.-1 N65-12731

MISREGISTRATION IN COLOR ADDITIVE DISPLAYS - HUMAN
ENGINEERING
RADC-TDR-64-488 N65-17906

EFFECT OF PROTECTIVE FILTERS AND LENSES ON COLOR
JUDGMENT BY HUMANS
NASA-CR-63766 N65-27956

COLOR PERCEPTION IN BEES AND OTHER INSECTS
JPRS-31713 N65-32011

THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH
PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF
COLOR PERCEPTION
AD-611401 N65-33479

COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
FTR-1 N65-34419

COLOR PHOTOGRAPHY

COLOR VISION- FUNCTIONAL INTERPRETATION
OF COLOR PERCEPTION, CLINICAL DIAGNOSTIC
TESTS, GENETICS, AND INDUSTRIAL APPLICATIONS
A65-80269

COMMAND MODULE

SA SERVICE MODULE

VARIOUS OPERATIONAL AND FLIGHT ASPECTS OF APOLLO
PROGRAM AND COMPONENT MODULES A65-81355

COMMAND SYSTEM

ROLE OF ANTHROPOLOGY IN COMMAND CONTROL SYSTEMS.
A65-82008

COMMERCIAL AVIATION

MEDICOPHYSIOLOGICAL ASPECTS OF COMMERCIAL
SUPERSONIC FLIGHT A65-80123

TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS
RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134

RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION
IN COMMERCIAL PILOT SELECTION A65-81297

TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT A65-81375

IDENTIFICATION PROBLEMS OF MASS CASUALTIES IN
COMMERCIAL AIRCRAFT ACCIDENT INVESTIGATION
A65-81518

JET TRANSPORT USE EFFECT ON AIRLINE LANDING
ACCIDENTS A65-82000

COMMUNICATION

SA ELECTROCUTANEOUS COMMUNICATION

SA INTERPLANETARY COMMUNICATION

SA RADIO COMMUNICATION

SA SPACE COMMUNICATION

SA TELECOMMUNICATION

SA TELEMETRY

SA VOICE COMMUNICATION

SA WIDEBAND COMMUNICATION

POSSIBILITY OF COMMUNICATION WITH EXTRATERRESTRIAL
CIVILIZATIONS BY RADIO METHODS A65-80825

FUNDAMENTAL TASKS AND CONCEPTS FOR TRAINING
PERSONNEL IN ELECTRONIC COMMUNICATIONS
AMRL-TR-64-85 N65-18964

EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS,
SPEECH FORMING MECHANISM, PERCEPTION, AND

- ARTICULATION FOR HUMAN COMMUNICATION WITH
ELECTRONIC COMPUTERS
JPRS-30543 N65-25514
- INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS
AMRL-TR-65-18 N65-30156
- BASIC STUDIES ON TACTILE PERCEPTION AND
COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS,
INSTRUMENTATION, AND EQUIPMENT
NASA-CR-322 N65-36764
- COMMUNICATION SYSTEM
EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE
COMMUNICATION IN MANNED DEEP SPACE FLIGHT
A65-80528
- MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE
STIMULUS PRESENTATIONS A65-80563
- ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING
ORGANISMS
FTD-TT-62-1923/162 N65-18283
- COMMUNICATIONS DEVICE
PILOT OXYGEN MASK WITH TACTILE TRANSDUCER
PROVIDING WARNING SIGNALS FROM WIRELESS
COMMUNICATION SYSTEM A65-11394
- COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS
CLD-1720 N65-19423
- COMPASS
SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS
GUACAMAIA AND S. LOELESTIUS A65-80815
- COMPENSATION
CRITERIA FOR ASSESSING RISK OF HEARING DAMAGE
A65-81393
- DECOMPENSATION AND COMPENSATION OF RESPIRATORY
SYSTEM IN HUMAN HYPOXIA N65-17780
- HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL
HEART DEFECTS OF BLUE AND PALLID TYPES
N65-17789
- COMPENSATION MECHANISMS IN CHRONIC OXYGEN
DEFICIENCY IN BLOOD CIRCULATORY SYSTEM
N65-17791
- COMPENSATORY TRACKING
DISPLAY INTEGRATION LEVEL AND COMPENSATORY
TRACKING PERFORMANCE A65-80565
- COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY
NOISE A65-80573
- CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES
IN MULTIPLE TASK PERFORMANCE A65-81563
- RELATIONSHIP BETWEEN VERTICAL ORIENTATION IN ROD
AND FRAME TEST AND IN COMPENSATION TRACKING TASK
A65-81650
- COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT
STAGES OF LEARNING COMPLEX TRACKING TASK
A65-81661
- HUMAN ENGINEERING RESEARCH OF PURSUIT AND
COMPENSATORY TRACKING BEHAVIOR A65-81760
- VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK
A65-82081
- INFORMATION THEORY APPLICATION TO STUDIES OF
TRACKING BEHAVIOR A65-82085
- INFORMATION THEORY APPLICATION TO HUMAN TRACKING
BEHAVIOR - ADDITIONAL EXPLANATION
A65-82086
- PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
- DISPLACEMENT FUNCTION, AND TARGET VELOCITY
A65-82361
- COMPONENT RELIABILITY
RELIABILITY OF LIFE SUPPORT SYSTEMS USING GENERIC
FAILURE RATES FOR COMPONENTS
SAE PAPER 9126 A65-12905
- COMPOSITION
S ATMOSPHERIC COMPOSITION
S BODY COMPOSITION /BIOL/
S CHEMICAL COMPOSITION
S GAS COMPOSITION
S LUNAR COMPOSITION
S METEORITIC COMPOSITION
S WATER CONTENT
- COMPOUND
S CHEMICAL COMPOUND
- COMPRESSIBILITY
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN
LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION
OF LIMB STRUCTURE
DTMB-1810 N65-17039
- COMPUTATION
MATHEMATICAL ANALYSIS OF AVERAGE RESPONSE
COMPUTATION BASED ON APERIODIC STIMULI
A65-81690
- COMPUTER
SA ANALOG COMPUTER
SA CONTROL SIMULATOR
SA DATA PROCESSING
SA DATA TRANSMISSION
SA DIGITAL COMPUTER
SA IBM 1620 COMPUTER
SA INFORMATION RETRIEVAL
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS
A65-81054
- NASA PROGRAM TO DEVELOP IN-FLIGHT MEDICAL
MONITORING WITH COMPUTER TECHNIQUES FOR HANDLING
DATA A65-81336
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS,
SPEECH FORMING MECHANISM, PERCEPTION, AND
ARTICULATION FOR HUMAN COMMUNICATION WITH
ELECTRONIC COMPUTERS
JPRS-30543 N65-25514
- COMPUTER DESIGN
ROLE OF ANTHROPOLOGY IN COMMAND CONTROL SYSTEMS.
A65-82008
- COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED
REST ON CARDIAC DYNAMICS AND DISCUSSION OF
ORTHOSTATIC HYPOTENSION N65-28769
- COMPUTER METHOD
RADAR TARGET TRACKING PERFORMANCE FOR PLAN
POSITION INDICATOR DISPLAY AND AUTOMATIC COMPUTER
A65-11895
- NEUROPHYSIOLOGICAL DATA TREATED MATHEMATICALLY BY
COMPUTER-TAPE RECORDING SYSTEM IN BRAIN RESEARCH
INSTITUTE A65-16467
- ACTION POTENTIAL RECORDED, USING REAL-TIME AND ON-
LINE SORTING OF NEUROELECTRIC ACTION POTENTIALS
A65-30843
- HUMAN OPERATOR ROLE IN PERFORMING INFORMATION
PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR
CONSOLE MEMORY A65-35478
- METHOD FOR COMPUTER RECOGNITION OF INTRACELLULARLY
RECORDED NEURONAL EVENTS A65-81755
- FORTRAN PROGRAM FOR INTRACELLULAR EVENT
RECOGNITION A65-81756
- RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF
ELECTROENCEPHALOGRAPH IN MAN A65-82278
- COMPUTER CALCULATIONS FOR INTERPRETATION OF

COMPUTER PROGRAM

SUBJECT INDEX

- ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS FROM EXERCISE TESTS ON AVIATORS REPT.-3 N65-15277
- CYBERNETIC MACHINES IN MEDICINE - ELECTRONIC COMPUTERS FOR DIAGNOSIS OF DISEASES JPRS-29799 N65-22115
- COMPUTER METHOD FOR NEUROPHYSIOLOGICAL RESEARCH P-3057 N65-27906
- ANALYSIS OF CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM USING COMPUTER METHODS - SYMPOSIUM NASA-SP-72 N65-28750
- HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA N65-28760
- MULTICHANNEL TOPSCOPE AS COMPUTER INTERFACE IN STUDY OF EEG N65-28765
- FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL TRAINING, AND USE OF CDC 160-A COMPUTER TO TEACH PSYCHOMOTOR TASK NAVTRADEVCE-1517-1 N65-31206
- COMPUTER PROGRAM
SA CODE
SA DATA PROCESSING
SA FORTRAN
- COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN ENGINEERING NASA-CR-174 N65-18501
- MONTE CARLO COMPUTER PROGRAM FOR CALCULATION OF ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS AS FUNCTION OF TISSUE SLAB DEPTH NASA-CR-63754 N65-27877
- STATISTICAL LIMITS ON COMPUTER-DEFINED EEG PATTERNS RELATED TO BEHAVIOR OF MONKEYS N65-28764
- EMPIRICAL EVALUATION OF THEORETICAL MODEL OF LATENT CLASS ANALYSIS TO DETERMINE IF POPULATION OF RESPONDENTS CAN BE DIVIDED INTO FINITE NUMBER OF GROUPS OR CLASSES - COMPUTER PROGRAMMING NASA-CR-63870 N65-28868
- CYBERNETIC AND COMPUTER TECHNIQUES SIMULATING HUMAN PSYCHOLOGICAL FACTORS - INFORMATION RETRIEVAL JPRS-31062 N65-29350
- CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS OF SENTENCES INCLUDING HUMAN EMOTIONAL AND MEMORY CHARACTERISTICS N65-29351
- TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR MANNED SPACE FLIGHTS NASA-TN-D-2695 N65-33350
- COMPUTER PROGRAMMING
SA REDUNDANCY ENCODING
- COMPUTER PROGRAMMING AND INFORMATION RETRIEVAL FOR LINGUISTIC TRANSFORMATIONAL ANALYSIS RADC-TDR-64-200 N65-16009
- MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY COMPUTER, GAS EXCHANGE DURING RADIATION SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT JPRS-29788 N65-22728
- CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER - CYBERNETICS N65-22729
- COMPUTER PROGRAMMING TECHNIQUES TO MONITOR FETUS DURING LABOR AND DELIVERY USING FETAL ELECTROCARDIOGRAMS N65-28753
- COMPUTER PROGRAMMING OF HEART-RATE PATTERNS INCLUDING BASE HEART RATE AND RESPIRATORY AND NONRESPIRATORY HEART-RATE REFLEX ACTIVITY N65-28761
- PARAMETERS FOR COMPUTER ANALYSIS OF NEUROPHYSIOLOGICAL DATA USING EEG FROM NORMATIVE LIBRARY N65-28766
- COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL ACTIVITY INCLUDING BACKGROUND EEG AND REACTION TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS N65-28777
- COMPUTER SIMULATION
SA ANALOG SIMULATION
SA DIGITAL SIMULATION
- THEORETICAL BASES, ANALYTICAL RELATIONSHIPS AND PROGRAMMING METHODS FOR DIGITAL COMPUTER MODEL OF HUMAN BIOTHERMAL SYSTEM AIAA PAPER 65-500 A65-29668
- PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY SYSTEM BY ANALOG COMPUTER AD-606521 N65-12246
- BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER SIMULATION AND SERVOANALYSIS NASA-CR-190 N65-19261
- CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN RECOGNITION - DIGITAL COMPUTER MODEL GE/EE/64-22 N65-26347
- THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION REPT.-13 N65-27793
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL COMPUTERS GGC/EE/65-10 N65-35197
- CONCENTRATION
S CARBON DIOXIDE CONCENTRATION
- CONCORDE AIRCRAFT
MAN-MACHINE RELATIONSHIP - SUPERSONIC CONCORDE AIRCRAFT AERODYNAMIC CHARACTERISTICS AND SYSTEMS ANALYSIS N65-28456
- CONDENSATION
RANDOM POLYCONDENSATION OF CARBOHYDRATES IN RELATION TO POLYMERIZATION AND ABIOTIC GENESIS A65-80480
- THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH POLYPHOSPHORIC ACID A65-80481
- THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE OF POLYPHOSPHORIC ACID A65-80483
- OXALOACETATE PROTECTION OF CITRATE CONDENSING ENZYME FROM PALMITYL- CO A UCRL-7896 N65-35526
- CONDITIONED RESPONSE
SA BEHAVIOR
SA LEARNING
SA REFLEX
- INSTRUMENTATION FOR EVALUATING ANIMAL RESPONSE TO STIMULI IN SPACE ENVIRONMENT BY OPERANT CONDITIONING METHOD A65-10734
- MICROWAVE IRRADIATION EFFECT ON BREEDING, PERIPHERAL BLOOD COMPOSITION, CONDITIONED REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS OF WHITE MICE A65-20935
- HUMAN HEART RATE CONDITIONING WITH NOISE AS UNCONDITIONED STIMULUS A65-80094
- SIGNAL APPEARANCE PROBABILITY AND EFFECT ON PROCESS OF ITS DETECTION DURING VISUAL TASK A65-80104
- ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED REFLEXES IN RAT A65-80105
- DISINHIBITION IN GALVANIC SKIN RESPONSE

SUBJECT INDEX

CONFERENCE

- CONDITIONING AS FUNCTION OF NUMBER OF TRIALS AND TEMPORAL LOCATION OF NOVEL STIMULUS
A65-80241
- DECREASED BODY TEMPERATURE AND EFFECT ON CONDITIONED REFLEXES IN RATS
A65-80328
- LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS
A65-80591
- CHARACTER OF CONDITIONED REFLEXES TO COMBINED ACOUSTIC AND VISUAL STIMULI IN DOGS
A65-80699
- CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE
A65-81011
- EFFECT OF RADIATION ON AUDITION AND CONDITIONED RESPONSES IN SPANISH GOAT
A65-81570
- WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS LEVELS
A65-82161
- EVOCKED NON-SPECIFIC RESPONSES OF SENSORY-MOTOR CEREBRAL CORTEX TO NONDIFFERENTIATED AND UNCONDITIONED STIMULI IN MAN
A65-82205
- CORRELATION ANALYSIS OF ELECTROENCEPHALOGRAM /EEG/ OF MAN, AND CHANGES IN EEG AND CUTANEOUS GALVANIC REACTION DURING FORMATION OF CONDITIONED REFLEX
JPRS-27677 N65-11516
- USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO SIMULATED SPACE CABIN ATMOSPHERE
N65-13678
- CONDITIONED REFLEX AND MODERN NEUROPHYSIOLOGY
NASA-TT-F-306 N65-14946
- OPERANT CONDITIONING APPARATUS FOR ANIMAL BEHAVIOR STUDY
N65-16614
- TIMING BEHAVIOR AND STIMULUS TRAINING ON TWO MALE ALBINO RATS
NASA-CR-53693 N65-17052
- INFLUENCE OF HYPOXIA ON CONDITIONED RESPONSES OF FISH
N65-17754
- DIFFERENTIATED INHIBITION LIMITS BY GRADUAL INCREASE IN PHYSICAL STRENGTH OF INHIBITORY STIMULATION USING SALIVARY ALIMENTARY CONDITIONED REFLEX
JPRS-29461 N65-20832
- PERIODICITY OF CONDITIONAL FUGITIVE REFLEX - CYBERNETICS
N65-21091
- PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE ANALYZER BY CONDITIONED REFLEX METHOD IN MAN DURING ACUTE HYPOXEMIA AND HYPERCAPNIA
FTD-TT-62-1903/16264 N65-22061
- EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS
N65-22304
- PROBABILISTIC MODEL FOR FREE RESPONDING
AFOSR-65-0288 N65-22808
- ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND DRUG ACTION ON BRAIN, LOCALIZATION OF CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND MODELING FUNCTIONS OF NERVOUS SYSTEM
JPRS-30007 N65-24230
- INSOLATION RESEARCH ON CONDITIONED REFLEX ACTIVITY AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION IN HUMAN BODY
JPRS-30527 N65-27425
- INFLUENCE OF INSOLATION OF COLLAR ZONE ON CONDITIONED REFLEX ACTIVITY AND ARTERIAL PRESSURE OF ANIMALS
N65-27426
- AUTOMATED LABORATORY APPARATUS FOR STUDY OF ANIMAL CONDITIONED REFLEX
JPRS-30962 N65-28133
- PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS EXCHANGE
N65-31041
- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND SOUND STIMULI
JPRS-31467 N65-31531
- CONDUCTION
COMPARATIVE STUDIES OF AUDIOMETRIC BONE CONDUCTION AS INDICATOR OF HEARING IMPAIRMENT
A65-81504
- CONE
ROD-CONE INDEPENDENCE IN AFTER-FLASH EFFECT
A65-80804
- SPECIFICITY OF CONE INTERACTION IN AFTER-FLASH EFFECT
A65-80805
- CONFERENCE
SECOND NATIONAL BIOMEDICAL SCIENCES INSTRUMENTATION SYMPOSIUM AT ALBUQUERQUE IN MAY 1964
A65-10543
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5, 1964
A65-10722
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN MAY 1964
A65-30671
- OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM
A65-80355
- GRIGINS OF PREBIOLOGICAL SYSTEMS AND OF THEIR MOLECULAR MATRICES - CONFERENCE
A65-80465
- PACAF MEDICAL CONFERENCE 1964, INCLUDING AEROSPACE MEDICAL PROBLEMS OF FLYING PERSONNEL- HEARING, MOTION SICKNESS, AERODONTALGIA AND PERSONNEL TRAINING
A65-81430
- SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY OF HUMANS AND ANIMALS
NASA-TT-F-228 N65-13626
- BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND PLANT RESEARCH FOR SPACE EXPLORATION
AD-450818 N65-16601
- NUTRITION IN SPACE ENVIRONMENT - CONFERENCE
NASA-SP-70 N65-18566
- CONFERENCE ON PREDECISIONAL PROCESSES IN DECISION MAKING - ASSESSMENT OF PRESENT DECISION THEORY ADEQUACY IN DEALING WITH HUMAN DECISION MAKING BEHAVIOR
AMRL-TDR-64-77 N65-22475
- PROCEEDINGS OF ATMOSPHERIC BIOLOGY CONFERENCE
NASA-CR-62786 N65-23980
- CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS, CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS, EXTERNAL RADIATION TOXICITY, AND METABOLISM OF FISSION PRODUCTS
ANL-6971 N65-24249
- PHYSIOLOGY - HUMAN AGING AND LONGEVITY, CYBERNETICS, X-RAY IRRADIATION EFFECT, AND OXYGEN PRESSURE DETERMINATION - SCIENTIFIC CONFERENCE REPORTS
JPRS-30099 N65-24875
- SCIENTIFIC CONFERENCE - POLAROGRAPHIC

CONFIGURATION

SUBJECT INDEX

- DETERMINATION OF OXYGEN METABOLISM IN TISSUES
N65-24878
- CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457
- CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN
SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE
OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS,
AND MAN-MACHINE SYSTEM RELIABILITY
N65-27419
- CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE
CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES
WASH-1059 N65-27468
- MATHEMATICAL METHODS APPLIED TO AVIATION AND SPACE
MEDICINE - SUMMARY OF REPORTS GIVEN AT
CONFERENCE
NASA-TT-F-374 N65-33364
- SYMPOSIUM ON PHYSICOCHEMICAL BASES OF BIOELECTRIC
POTENTIALS
JPRS-31971 N65-33430
- RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
STRUCTURE OF BIOLOGICAL MEMBRANES
JPRS-32016 N65-34453
- CONFIGURATION
S AIRCRAFT CONFIGURATION
- CONFINEMENT
CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER
CONFINEMENT A65-82097
- EFFECTS OF REPEATED CONFINEMENT ON PERFORMANCE OF
MEN IN TEMPERATE ENVIRONMENT
TM-11-64 N65-14407
- REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847
- CONGENITAL ANOMALY
HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL
HEART DEFECTS OF BLUE AND PALLID TYPES
N65-17789
- BASAL METABOLISM AND EXTERNAL RESPIRATION IN
CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM
CONGENITAL HEART DEFECTS N65-17794
- LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR
DETERMINATION OF LETHAL CONGENITAL ANOMALIES
FROM X-RAY DOSES N65-23463
- CONGESTION
CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY
VERTICAL POSITION OR GYRATION - BLOOD
CIRCULATION
NASA-TT-F-9715 N65-36759
- CONNECTIVE TISSUE
REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND
CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS
ADAPTED TO TUMBLING TRAUMA A65-80331
- CONSTRUCTION
SA AIRCRAFT CONSTRUCTION
SA SPACECRAFT CONSTRUCTION MATERIAL
- CONSTRUCTION AND OPERATION OF SMALL ANIMAL
CENTRIFUGE FOR CARRYING OUT EXPOSURES TO
GRAVITATIONAL FIELD
SAM-TR-65-23 N65-33738
- CONTACT LENS
OPHTHALMOLOGIST APPROVAL OF CONTACT LENSES BY
PILOTS IF PROPERLY FITTED A65-18434
- SAFETY FACTORS AND ADVANTAGES INVOLVED IN CONTACT
LENS UTILIZATION BY COMMERCIAL AND AIRLINE PILOTS
A65-24097
- CONTACT LENS WEAR IN PILOTS - COMPARISON OF
PLASTIC CORNEAL LENS WITH NEW GEL-LENS UNDER
SIMULATED ALTITUDE A65-80153
- CIVIL AVIATION AND USE OF CONTACT LENSES
A65-80580
- THREE-DIMENSIONAL RECORDING OF ROTATIONAL EYE
MOVEMENTS BY NEW CONTACT-LENS TECHNIQUE
A65-81050
- MEASUREMENT OF EYE MOVEMENT USING MAGNETIC
INDUCTION IN CONTACT LENS COIL A65-81061
- USE OF CONTACT LENSES BY FLYING PERSONNEL
A65-81786
- CONTAINER
SA PACKAGING
- FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION,
STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND
BALLAST N65-18600
- CONTAMINANT
AIR FORCE RESEARCH ON TOXICITY OF MATERIALS
POSSIBLY CONTAMINATING SPACE CABINS
A65-81161
- CONTAMINATION
SA DECONTAMINATION
SA FUEL CONTAMINATION
SA RADIOACTIVE CONTAMINATION
SA SPACECRAFT CONTAMINATION
- CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES
A65-34670
- CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506
- LIFE-FORMS IN METEORITES AND THE PROBLEM OF
TERRESTRIAL CONTAMINATION - A STUDY IN METHODOLOGY
A65-81241
- NATURE AND ROLE OF BACTERIAL CONTAMINANTS IN MASS
CULTURES OF THERMOPHILIC CHLORELLA PYRENOIDOSA
A65-81286
- MARS ENVIRONMENTAL FACTORS SUGGESTING BIOLOGICAL
POSSIBILITIES AND LIFE DETECTION EQUIPMENT TO
PREVENT CONTAMINATION A65-82218
- MICROBIAL CONTAMINATION OF CLEAN ROOMS
NASA-CR-60184 N65-15148
- BACTERIAL DISSEMINATION, REDUCTION OF
CONTAMINATION ON SURFACES, AND GERMICIDAL
ACTIVITY OF ETHYLENE OXIDE
NASA-CR-57148 N65-18915
- BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000 N65-19834
- CONTAMINATION OF ENVIRONMENT BY NUCLEAR EXPLOSIONS
AND ASSESSING RISK OF INDUCTION OF MALIGNANCES
BY RADIATION IN MAN N65-24618
- PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL
CONTAMINATION BY STRONTIUM 89, STRONTIUM 90,
AND CESIUM 137 - RADIATION PROTECTION STANDARDS
REPT.-7 N65-25882
- BACTERIA DISSEMINATION REDUCTION, ETHYLENE OXIDE
GERMICIDAL ACTIVITY, AND BACTERIA CONTAMINATION
REDUCTION ON SURFACES
NASA-CR-63895 N65-29171
- CONTRACTION
SA CONVULSION
SA CRAMP
- CLINICO-INSTRUMENTAL INVESTIGATION OF CONTRACTILE
FUNCTION OF HEART N65-25670

- CONTROL** A65-22033
- S ADAPTIVE CONTROL
 - S AIRCRAFT CONTROL
 - S APPROACH CONTROL
 - S ATTITUDE CONTROL
 - S AUTOMATIC CONTROL
 - S DIRECTIONAL CONTROL
 - S DYNAMIC CONTROL
 - S ENVIRONMENTAL CONTROL
 - S FLIGHT CONTROL
 - S GUIDANCE AND CONTROL
 - S HELICOPTER CONTROL
 - S LONGITUDINAL CONTROL
 - S MANUAL CONTROL
 - S MISSILE CONTROL
 - S NUMERICAL CONTROL
 - S OPTIMAL CONTROL
 - S QUALITY CONTROL
 - S REGULATION
 - S REMOTE CONTROL
 - S SPACE VEHICLE CONTROL
 - S SPACECRAFT CONTROL
 - S STABILITY AND CONTROL
 - S TEMPERATURE CONTROL
 - S THRUST CONTROL
 - S VISUAL CONTROL
- CONTROL DEVICE**
- CHARACTERISTICS OF SWITCH ACTUATORS FOR COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE, NOTING RESPONSE TIME AND ERROR A65-35473
 - COMPATIBLE AND INCOMPATIBLE DISPLAY-CONTROL DEVICES FOR TESTING MEMORY RETENTION REPT.-02855-1-F N65-12653
 - VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT CONTROL SYSTEM NASA-TN-D-2569 N65-14119
 - PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL DEVICE JPRS-31374 N65-29832
- CONTROL PANEL**
- CONTROL/DISPLAY ASSOCIATION STEREOTYPE DETERMINATION WHEN CONTROLS AND DISPLAYS ARE ARRANGED ON TWO-DIMENSIONAL SURFACE A65-31103
 - SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES USED ON INSTRUMENT PANELS N65-13664
- CONTROL SIMULATOR**
- SA COMPUTER
 - SA FLIGHT SIMULATOR
 - NAVIGATION AND CONTROL SIMULATION PORTION OF OVERALL MANNED SPACE CABIN TEST PROGRAM AIAA PAPER 65-277 A65-22167
 - RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT CONTROL SYSTEM A65-29944
 - TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND BODY-ORIENTED CONTROL TASKS A65-80708
- CONTROL STABILITY**
- HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS A65-25323
- CONTROL SYSTEM**
- SA ADAPTIVE CONTROL SYSTEM
 - SA BIOCONTROL SYSTEM
 - SA FEEDBACK CONTROL SYSTEM
 - DETERMINISTIC CHARACTERIZATION THEORY FOR DETERMINING TIME-VARYING DYNAMICS OF HUMAN OPERATOR ENGAGED IN TRACKING TASKS
- MATHEMATICAL DESCRIPTION OF INPUT-OUTPUT BEHAVIOR OF HUMAN OPERATOR ACTING AS ELEMENT IN CLOSED LOOP CONTROL SYSTEM A65-25202
- SENSORY AND MOTOR CONTROL SYSTEM OF RETINAL IMAGE AND DISTURBANCE DURING FLIGHT A65-81069
- LABORATORY CONTROL OF FROZEN FOOD USED ONBOARD FLIGHTS OF SABENA AIRLINES A65-81790
- HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL THEORY TECHNIQUES - HUMAN ENGINEERING NASA-CR-57292 N65-19689
- PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK USING DIFFERENT THRUST CONTROL SYSTEMS LMSC-6-65-65-1 N65-20398
- BIAXIAL MIXED-DYNAMICS TRACKING TASK - MANUAL CONTROL SYSTEMS NASA-CR-62251 N65-21766
- ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS JPRS-30214 N65-24351
- PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT CONTROL PROBLEM N65-25051
- FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL CONTROL SYSTEM STL-9990-6397-RU-000 N65-27158
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- UPPER EXTREMITY PROSTHETICS - SENSORY MOTOR CONTROL - PERFORMANCE OF HUMAN OPERATORS OF TRACKING SYSTEMS - MYOELECTRIC CONTROL SYSTEMS REPT.-65-31 N65-34133
- DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM - QUASI-LINEAR OPERATOR MODELS AFFDL-TR-65-15 N65-34518
- PRELIMINARY ANALYSIS OF EXPERIMENTAL DATA IN MANUAL CONTROL SYSTEMS STUDY NASA-CR-64578 N65-36433
- SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY, AND HUMAN FACTORS YIELDING PRACTICAL APPROACH FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM RTD-TDR-63-4092 N65-36724
- CONTROL VALVE**
- UNDERWATER PRESSURE-COMPENSATED, BREATHING CONTROL VALVES FOR PROLONGED WATER IMMERSION AMRL-TR-64-130 N65-19153
- CONVAIR MILITARY AIRCRAFT**
- S F-106 AIRCRAFT
- CONVECTIVE HEAT TRANSFER**
- SPACECRAFT STERILIZATION, DISCUSSING ENGINEERING AND HEAT TRANSFER PROBLEMS IN ACHIEVING STERILIZATION TEMPERATURE OF ENTRY AND LANDING VEHICLES AIAA PAPER 65-427 A65-29377
- CONVERGENCE**
- CONVERGENCE AS CUE TO PERCEIVED SIZE AND DISTANCE A65-81882
- CONVERSION**
- SA DATA CONVERSION
 - SA ENERGY CONVERSION
 - DIFFERENTIAL SPECTRUM OF GREEN BACTERIA CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF BACTERIOVIRIDINE CONVERSIONS DURING PHOTOSYNTHESIS N65-32660
 - CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY N65-34596

CONVULSION

SUBJECT INDEX

SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF CURRENT-TO-DOSE CONVERSION FACTORS

N65-34597

CONVULSION

SA CONTRACTION
SA EPILEPSY

ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT /STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT /ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING HIGH ALTITUDE ACCLIMATIZATION

A65-80225

CONVULSIONS IN PILOT FOLLOWING DRUG WITHDRAWAL

A65-80387

SPINAL CORD CONVULSIONS IN DEVELOPING RAT AT HIGH ALTITUDE /12,470 FT., 3,800 M./

A65-81587

COOLING

SA ABLATION
SA CRYOGENICS
SA LIQUID COOLING
SA SUPERCOOLING

TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING AND DRUGS

A65-81186

TEMPERATURE REGULATION IN COLD AND WARM ADAPTED RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD PRECOOLING

A65-82146

COOLING SYSTEM

SA VENTILATION

EVALUATION OF PRESSURE SUIT COOLING SYSTEMS IN HOT ENVIRONMENTS

A65-82124

HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED SUITS

NASA-CR-216

N65-23171

COPPER

COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN STRUCTURE AND FUNCTION OF COPPER ENZYMES

FSU-2690-21

N65-34320

CORIOLIS EFFECT

CORIOLIS EFFECT ON HUMAN SUBJECTS ACCELERATED IN MODIFIED TOENNIES SEAT

A65-12884

PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION AND POSITION IN SPACE WHILE UNDERGOING SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION

A65-18429

MOTION SICKNESS RESISTANCE INDUCED BY REPEATED CORIOLIS STIMULATION AS INDICATED BY AUTONOMIC REACTION DATA AND ELECTRONYSTAGMOGRAMS

A65-24080

BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION

A65-80397

RESPONSE OF VESTIBULAR APPARATUS TO IONIZING RADIATION AND CORIOLIS ACCELERATION IN RABBITS

A65-80536

EFFECT OF CORIOLIS ACCELERATION ON HUMAN BLOOD VESSEL TONUS

A65-80981

PREVENTION OF MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION

A65-81067

EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON VESTIBULAR APPARATUS AND VISION

A65-81200

MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS AND CORIOLIS ACCELERATION

A65-81434

ADAPTATION OF HUMANS TO PROLONGED ACTION OF CORIOLIS ACCELERATION

A65-81937

SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR

REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY

JPRS-29156

N65-19645

RESISTANCE INDUCTION TO MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION

SAM-TR-64-87

N65-22076

EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS ACCELERATION ON PILOT OF FLIGHT SIMULATOR - REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND POSITION IN SPACE

NASA-TM-X-51755

N65-23710

PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS ACCELERATIONS

N65-26921

EFFECT OF CORIOLIS ACCELERATION ON HUMANS - AEROSPACE MEDICINE

JPRS-30927

N65-28174

CORNEA

BIOMECHANICS OF CORNEA - APPLICATION TO INTRAOCULAR PRESSURE MEASUREMENT

NASA-CR-67160

N65-34461

CORONARY CIRCULATION

CORONARY FLOW DECREASE IN RESPONSE TO HYPOCAPNIA INDUCED BY HYPERVENTILATION IN ANESTHETIZED DOGS

A65-16553

EXERCISE EFFECTS ON CORONARY AND PULMONARY CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY SINUS CATHETERIZATION

A65-31346

CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST, DURING PHYSICAL WORK, AND DURING RECOVERY

A65-80451

OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD BICARBONATE AND BASE EXCESS IN HUMAN CORONARY VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL WORK

A65-80452

OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN DIFFERENT WORK CONDITIONS

A65-80453

HYPERCAPNIC EFFECT ON HEART BLOOD SUPPLY UNDER EXPERIMENTAL CONDITIONS IN DOGS

A65-80716

REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA

A65-81175

ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86 CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON DIOXIDE, AND VASOACTIVE DRUGS

A65-81176

HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL SUBJECTS

A65-81668

LATENT CORONARY INEFFICIENCY IN MIDDLE AGED PILOT REVEALED BY ELECTROCARDIOGRAM TAKEN AFTER PHYSICAL EXERCISE

A65-81782

PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY BLOOD FLOW

AMRL-TR-64-94

N65-19148

PHARMACOLOGICAL AGENT EFFECTS ON CORONARY CIRCULATION

NASA-TT-F-336

N65-31146

CORRELATION

S ANGULAR CORRELATION

S STATISTICAL CORRELATION

CORRELATION FUNCTION

CORRELATION ANALYSIS OF ELECTROENCEPHALOGRAM /EEG/ OF MAN, AND CHANGES IN EEG AND CUTANEOUS GALVANIC REACTION DURING FORMATION OF CONDITIONED REFLEX

JPRS-27677

N65-11516

REFINEMENT OF GUTTMAN CORRELATION MATRIX TO OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY

AD-609676

N65-29152

SUBJECT INDEX

CREATIVITY

- CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3 N65-36307
- CORTI ORGAN
S COCHLEA
- CORTICOSTEROID
SA ALDOSTERONE
- COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID
GLAND FUNCTION IN RATS A65-80712
- DAILY ADRENAL RHYTHM IN EQUATORIAL AMERINDIANS
MEASURED BY URINARY HYDROXYCORTICOSTEROIDS
A65-81553
- PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422
- DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS
N65-13641
- SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30 N65-25204
- VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND
ADRENALINE ACTIVITY UNDER EXPERIMENTAL
CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN
BLOOD OF PATIENTS WITH VIBRATION SICKNESS
JPRS-30845 N65-27030
- COSMIC RADIATION
ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM
SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS
A65-13764
- COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY
TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL
CHANGES A65-14574
- SOLAR AND COSMIC RAY EFFECTS ON PROGENY YIELDS IN
FRUIT FLY DROSOPHILA MELANOGASTER SUBJECTED TO
MAGNETIC ENVIRONMENT A65-17351
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE
A65-25098
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS
CONCERNING COSMIC RADIATION EFFECTS ON GENETIC
CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT
FLIES A65-30689
- WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON
REPRODUCTION IN DROSOPHILA MELANOGASTER AND
HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA
A65-30691
- CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT
A65-80439
- DETERMINATION OF ENERGY ABSORBED IN WATER FROM
RELATIVISTIC COSMIC RAY PARTICLES USING CERENKOV
EFFECT A65-80758
- TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT
A65-81387
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908
- REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404
- BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR
EARTH TO MOON MANNED SPACE FLIGHTS
NASA-TT-F-9458 N65-32265
- COSMIC RAY
INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- COSMOLOGY
COSMOLOGY - ORIGIN OF LIFE
NASA-TM-X-51753 N65-21478
- COSMONAUT
S ASTRONAUT
- COST ESTIMATE
SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS
FUNCTION OF MAINTAINING SPACE CREW PHYSICAL
FITNESS A65-81966
- COUNTERMEASURE
IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR
RADIATION EXPOSURE CONTROL COUNTERMEASURES
RELATIVE TO VARIOUS POST-ATTACK CONDITIONS
GTC-54-63-64 N65-33623
- CRAMP
HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING
PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING
WATER OF LOW SALT CONTENT A65-80955
- MUSCLE CRAMPS INVESTIGATED IN EIGHTEEN YEAR OLD
AVIATION CADETS AND RELATION TO JOINT TRAUMA
A65-80978
- CRANIUM
SA INTRACRANIAL CAVITY
- PASSAGE OF AUDIBLE ULTRASONIC VIBRATIONS THROUGH
HUMAN SKULL BONES A65-80802
- RESONANCE FREQUENCIES OF THE HUMAN SKULL -
AUDIOMETRIC EFFECTS AND PROTECTION
A65-82143
- DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION
AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA
A65-82190
- CRASH
DYNAMIC CRASH TESTS OF FIXED-WING AND ROTARY-WING
AIRCRAFT AS RELATED TO SEAT DESIGN
A65-81833
- CRASH INJURY
SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT A65-81542
- TOLERANCES OF HUMAN FACE TO CRASH IMPACT
AM-65-20 N65-34678
- CREATININE
BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE
LF-22 N65-25292
- CREATIVITY
WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND
LEADERSHIP A65-81126
- DIVERSITY OF PARTICIPATION IN ACTIVITIES AND
CREATIVITY OF AIR FORCE OFFICERS
A65-81245

CREW

SUBJECT INDEX

CREW

S AIRCREW
S ASTRONAUT
S FLYING PERSONNEL
S GROUND CREW
S PILOT
S SPACECREW

CRYOGENIC EQUIPMENT

MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE
CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES
A65-81971

CRYOGENICS

SA COOLING

EFFECT OF FREEZE PRESERVATION AND THAWING OF
RHESUS MONKEY ERYTHROCYTES - CRYOGENICS
AD-465702 N65-27526

CULTURE /BIOL/

GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN A65-80725

CULTURES OF ANAEROBIC ORGANISMS OF HUMAN WASTE
NASA-CR-52232 N65-16432

VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL
CULTURES N65-22311

WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES
N65-26388

MASS CULTIVATION OF BACTERIA - ASTEROMONAS
GRACILIS ARTARI
JPRS-30995 N65-28134

PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF
CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED
ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786

CULTURE TECHNIQUE

PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS
EFFECT ON EARLY THYMELESS DEATH OF ESCHERICHIA
COLI B3 EXPOSED TO UV RADIATION
A65-21948

MICROBIAL CONTAMINANTS EVALUATION FOR STERILITY IN
INTERIORS OF SPACECRAFT, NOTING CULTURING
TECHNIQUE A65-25418

BACTERIA-FREE CULTURES OF ANABAENA FLOS-AQUAE
A-37 OBTAINED BY TECHNIQUE OF POSITIVE OPERATOR
BIAS A65-31653

SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA
PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN
SOURCES, OBSERVING GROWTH A65-32567

REPEATED FREEZING AND THAWING OF CULTURES OF
ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND
FROZEN WITHOUT CARBON SOURCE A65-32937

STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA A65-80015

CONTINUOUS CULTURE APPARATUS FOR BACTERIUM,
HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION
OF HYDROGEN PRODUCED BY ELECTROLYSIS OF
WATER IN CLOSED-CYCLE SPACE SYSTEM
A65-80099

CULTURING OF ALGAE - PROBLEMS OF GROWTH AND
CULTURE TECHNIQUE A65-80376

CULTURE TECHNIQUE AND ENVIRONMENTAL FACTORS IN
USING ALGAE FOR PHOTOSYNTHETIC GAS EXCHANGE
A65-80378

VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596

PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE A65-80600

INTERRELATIONSHIPS OF VARIOUS SPECIES OF
PROTOCOCCAL ALGAE AND THEIR BACTERICIDAL EFFECT IN
JOINT CULTIVATION A65-80689

GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754

COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY
USE OF EXPONENTIAL FORMULA A65-80803

CHANGES IN MINERAL CONCENTRATION IN NUTRIENT
MEDIUM DURING GROWTH OF CHLORELLA
A65-80940

BIOLOGICAL PARAMETERS OF GROWTH CYCLE OF
SYNCHRONOUS CULTURE OF THERMOPHYLIC ALGA,
CHLORELLA PYRENOIDOSA A65-80941

ALGAL CULTURE TECHNIQUE AND PHYTOPLANKTON ECOLOGY
A65-81163

CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE A65-81872

EFFECT OF AERATION ON COEFFICIENT OF SPECTRAL
ABSORPTION IN SUSPENSION OF CHLORELLA SP.
A65-81938

PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA
71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS
AND LIGHT A65-81976

NEW TECHNIQUE FOR MASS ASSAYS OF PHYSIOLOGICAL
CHARACTERISTICS OF UNICELLULAR ALGAE
A65-82095

EFFECTS OF ILLUMINATION CHARACTERISTICS ON MITOSIS
IN CHLORELLA PYRENOIDOSA CULTURES
A65-82317

CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF
METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF
METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN
PETROLEUM, POWER GENERATION, AND PRODUCTION
BM-IC-8246 N65-13393

ENGINEERING PROBLEMS IN MICROORGANISM CULTURE
ON LARGE SCALE N65-16628

CULTURE MEDIUM FOR SURVIVAL AND REPRODUCTION OF
CAPHNIA WATER FLEA IN SEVEN DAY SPACE FLIGHT
NASA-CR-56112 N65-17053

RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655

HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND
METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE
TRACT
NASA-CR-57812 N65-21309

CULTURING TECHNIQUES FOR DETECTION OF VIABLE
MICROORGANISM INOCULATED INTO SOLID MATERIALS
NASA-CR-62980 N65-24899

CUPULOMETRY

CUPULOMETRY AS INVESTIGATIVE TOOL AND INFLUENCE OF
CINNARIZINE ON LABYRINTHINE FUNCTION
A65-81045

CURRENT

S ELECTRIC CURRENT
S ION CURRENT

CUSHION

FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT
PASSENGER SEAT CUSHIONS N65-29755

CUTANEOUS PERCEPTION

CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN
AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT -
SENSORY DEPRIVATION A65-80024

THRESHOLD INTENSITIES OF THERMAL RADIATION
EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE
AND FEMALE SUBJECTS A65-80029

- MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE
STIMULUS PRESENTATIONS A65-80563
- DERMAL LIGHT SENSITIVITY WITH RESPECT TO COLOR
EXPLORED WITH 80 SUBJECTS A65-80572
- EFFECT OF AREA STIMULATED AND DURATION OF THERMAL
STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY
NEURON FUNCTION A65-80718
- CUTANEOUS PERCEPTION IN HUMAN SUBJECTS OF COLOR
AND PATTERNS BY PHOTIC STIMULATION A65-80797
- CHEMICAL BASIS OF CUTANEOUS PERCEPTION IN MAN AS
AFFECTED BY LIGHT A65-80798
- CUTANEOUS NERVE, ELECTROPHYSIOLOGICAL ACTIVITY IN
RESPONSE TO TEMPERATURE CHANGES OF CAT SKIN A65-80859
- PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC A65-81140
- COLOR PERCEPTION IN HUMAN BY CUTANEOUS MEANS
A65-81230
- CUTANEOUS DISCRIMINATION OF MULTIPLE VIBRATORY
STIMULI OF VARYING PATTERNS A65-81376
- VIBROTACTILE THRESHOLD OF HUMAN SKIN A65-81961
- VIBROTACTILE THRESHOLDS AS FUNCTION OF NUMBER OF
PULSES IN HUMAN SKIN A65-82284
- PERIPHERAL MECHANISMS OF SKIN TEMPERATURE
PERCEPTION NASA-CR-56192 N65-16429
- CYANOGEN
RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS
NASA-TT-F-9259 N65-18337
- CYBERNETICS
SA BIONICS
SA HUMAN ENGINEERING
- PRODUCTION AUTOMATION, INDUSTRIAL ELECTRONICS, AND
CYBERNETICS FTD-MT-64-188 N65-11099
- PROGNOSSES FOR DEVELOPMENT OF SCIENCE, ORGANIZATION
AND LOCALIZATION OF BRAIN FUNCTION, AND TOTALITY
IN LIGHT OF CYBERNETICS - PHILOSOPHICAL PROBLEMS
IN SCIENCE JPRS-28029 N65-13509
- NEUROPHYSIOLOGY AND ECOLOGY - PROBLEMS IN
CYBERNETICS JPRS-27792 N65-14578
- HUMAN VISION DESCRIBED AS MECHANICAL INFORMATION
SYSTEM - CYBERNETICS AND INFORMATION THEORY
FTD-TT-64-401/1 N65-17173
- CYBERNETICS - PHILOSOPHY AND SOCIOLOGY
JPRS-22814 N65-17310
- FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM
SELF-PACED MANUAL TASKS - CYBERNETICS
NASA-TN-D-2665 N65-17329
- CELLULAR MODEL OF CYBERNETIC SYSTEM BASED ON
MORPHOLOGICAL AND BIOCHEMICAL STRUCTURE AND
FUNCTION JPRS-28974 N65-17986
- METHODS, FUNCTIONAL NATURE, AND DIALECTICS OF
FUNCTION AND STRUCTURE IN CYBERNETIC MODELING
JPRS-29053 N65-18365
- NEUROCYBERNETICS - ARTIFICIAL INTELLIGENCE
JPRS-29267 N65-20098
- REGULATION OF VITAL FUNCTIONS AND CYBERNETICS -
MEDICAL APPLICATIONS JPRS-29330 N65-20100
- PERIODICITY OF CONDITIONAL FUGITIVE REFLEX -
CYBERNETICS N65-21091
- COLLECTIVE MONOGRAPH OF U.S.S.R. RESEARCH IN
CYBERNETICS COVERING PHILOSOPHICAL, BIOLOGICAL,
PSYCHOLOGICAL, AND MATHEMATICAL ASPECTS
JPRS-29764 N65-21882
- CYBERNETIC MACHINES IN MEDICINE - ELECTRONIC
COMPUTERS FOR DIAGNOSIS OF DISEASES
JPRS-29799 N65-22115
- CYBERNETICS OF HUMAN FACTORS IN SPACE SYSTEMS
ENGINEERING NASA-TN-X-51735 N65-22190
- CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER -
CYBERNETICS N65-22729
- NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL,
PHYSICAL AND CHEMICAL MATTER, AND PHYSICS,
CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND
METHODS IN EXPLORING LIFE PHENOMENA
JPRS-29864 N65-23144
- MATHEMATICS, BIONICS, BIOPHYSICS, AND CYBERNETICS
FOR DEVELOPMENT OF BIOLOGICAL MODELS
JPRS-30177 N65-24064
- PHYSIOLOGY - HUMAN AGING AND LONGEVITY,
CYBERNETICS, X-RAY IRRADIATION EFFECT, AND
OXYGEN PRESSURE DETERMINATION - SCIENTIFIC
CONFERENCE REPORTS JPRS-30099 N65-24875
- THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL
FACTORS WHICH AFFECT THERMOREGULATION - STUDIES
USING LAWS OF CYBERNETICS N65-24876
- BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD
CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH
JPRS-30405 N65-24889
- PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND
CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY
AUTOMATIC CONTROL PROCESSES N65-24890
- CYBERNETICS IN MOLECULAR BIOLOGY AND THEORY OF
PERCEPTION JPRS-30523 N65-26221
- REGULATION OF CELLULAR METABOLISM, DETERMINISM IN
BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND
LIFE N65-26222
- NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION,
PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223
- CYBERNETICS FOR CONTROL OF PHYSICAL TRAINING
JPRS-30754 N65-26966
- CYBERNETICS, ANIMAL BEHAVIOR, HUMAN THINKING, AND
MACHINE DEVELOPMENT JPRS-31124 N65-28732
- ANALYSIS AND SYNTHESIS OF CYBERNETIC SYSTEMS AND
DEVICES - RESEARCH ON DATA CODING AND
CONVERSION WITH AID OF DIGITAL COMPUTERS
JPRS-31240 N65-29010
- APPLICATION OF CYBERNETICS TO FIELD OF BIOLOGY
JPRS-31029 N65-29063
- CYBERNETIC AND COMPUTER TECHNIQUES SIMULATING
HUMAN PSYCHOLOGICAL FACTORS - INFORMATION
RETRIEVAL JPRS-31062 N65-29350
- RADIATION BIOLOGY INVESTIGATIONS WITH FRESH
WATER ORGANISMS - CYBERNETICS N65-30265
- CYBERNETIC PRINCIPLES IN EDUCATION AND ECONOMICS
JPRS-31238 N65-30278
- PATTERN RECOGNITION PROBLEMS - CLASSIFICATION,
CYBERNETIC INTERPRETATION OF RECOGNITION
PROCESS, ALGORITHMS, AND PROBABILITY PROCEDURES,
AND THEORETICAL CONSIDERATION OF SOLUTION

- JPRS-31440 N65-30682
 PROCEDURES FOR CYBERNETICS WITH APPLICATIONS TO
 MEDICAL SCIENCE
 JPRS-31712 N65-31857
 EVOLUTION IN LIGHT OF CYBERNETICS - CONTROL
 PROCESSES IN LIVING ORGANISMS N65-32561
 MATHEMATICAL LOGIC AND PROBABILITY THEORY OF
 CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
 JPRS-31926 N65-32762
 DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER
 SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE
 CYBERNETICS
 NASA-TT-F-9588 N65-35783
- CYCLE**
 S ACTIVITY CYCLE /BIOL/
 S REGENERATIVE CYCLE
 S STRESS CYCLE
 S WORK-REST CYCLE
- CYCLIC HYDROCARBON**
 ALIPHATIC AND CYCLIC HYDROCARBON ASSIMILATION
 BY MICROORGANISMS
 JPRS-32055 N65-33204
- CYSTEAMINE**
 RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
 CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
 X-IRRADIATION A65-80171
 CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
 OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE
 A65-80325
 RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
 CYSTEAMINE A65-80351
 CYSTEAMINE PROTECTION OF HAIR LOSS AFTER LOCAL
 IRRADIATION IN RAT A65-80733
 PROTECTION OF LYMPHOCYTES IN THYMUS OF
 X-IRRADIATED RATS BY CYSTEAMINE A65-81235
 ANIMAL STUDIES ON RADIATION PROTECTION AFFORDED
 BY CYSTEAMINE AND OTHER CHEMICAL COMPOUNDS
 EUR-1835.F N65-13804
- CYTIDYLIC ACID**
 THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
 OF POLYPHOSPHORIC ACID A65-80483
- CYTOCHROME**
 CODING TRIPLETS IN EVOLUTION OF HEMOGLOBIN AND
 CYTOCHROMES C GENES A65-80488
 ACTIVITY OF CYTOCHROME OXIDASE IN ORGANS OF RATS
 ADAPTED TO HIGHER AND LOWER TEMPERATURES
 FTD-TT-64-444/162 N65-15963
 PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
 DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
 MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
 LYSOZYME, AND CYTOCHROME C SPECTRA
 NASA-CR-58662 N65-29650
- CYTOGENESIS**
 SA BIOLOGICAL CELL
 WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON
 REPRODUCTION IN DROSOPHILA MELANOGASTER AND
 HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA
 A65-30691
 OXYGEN CONCENTRATION EFFECT ON GROWTH RATE,
 CONVERSION EFFICIENCY, AND CELL COMPOSITION -
 CYTOGENESIS
 NASA-CR-55188 N65-17069
 LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST
 CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS
 N65-34582
- CYTOLOGY**
 ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED
- ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID
 INCORPORATION A65-18029
 MECHANICAL VIBRATION EFFECT ON MITOSIS OF
 NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
 A65-25550
 CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF
 CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE
 AND FLUID SPACES A65-25646
 LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING
 LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL
 VARIATIONS AND AGENTS RESPONSIBLE A65-29012
 OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC,
 RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND
 THYROID RESPONSE VARIATIONS A65-29066
 VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON
 VARIATION IN NUMBER OF CELLS WITH CHROMOSOME
 ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS
 A65-35817
 MICROBIOLOGICAL AND CYTOLOGICAL DATA FROM VOSTOK
 TYPE SPACECRAFT
 NASA-TT-F-281 N65-12219
 LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE
 AND CYTOCHEMISTRY IN PLANTS
 NASA-CR-55179 N65-17055
 ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
 TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
 AND RADIATION PROTECTION
 NASA-CR-62133 N65-21422
 COMPILATION OF REPORTS ON MANNED SPACE FLIGHT,
 GENETICS, AND CYTOLOGY - BIOLOGICAL CELL
 JPRS-30944 N65-28286
 EFFECTS OF LOW PRESSURES ON CELLULAR
 ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS
 NASA-CR-64097 N65-30474
 CONTROL PROCESSES IN LIVING ORGANISMS - CYTOLOGY
 AND SEX FACTOR DETERMINATION AND CONTROL N65-32560
 RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
 BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
 STRUCTURE OF BIOLOGICAL MEMBRANES
 JPRS-32016 N65-34453
- D**
- DAMAGE**
 SA IMPACT DAMAGE
 DAMAGE RISK CRITERION AND CONTOURS BASED ON
 PERMANENT AND TEMPORARY HEARING LOSS DATA
 A65-80992
 BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL
 VIBRATION STRESS
 AMRL-TDR-64-58 N65-10467
 HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE
 N65-17792
 HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS
 USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF
 DAMAGED ENDOCARDIUM N65-17796
- DARK ADAPTION**
 CRITICAL FLICKER FUSION FREQUENCY AND DARK
 ADAPTATION AFTER SENSORY DEPRIVATION A65-80085
 EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM
 ON THERMORECEPTORS OF HUMAN SKIN A65-80715
 HUMAN ELECTRORETINOGRAM AS AFFECTED BY SLOW
 INTERMITTENT LIGHT STIMULATION A65-80779
 OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS

- OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT A65-80782
- ELECTRORETINOGRAPHIC MEASUREMENTS IN DARK ADAPTED
HUMAN EYE A65-80784
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
IN RABBITS ADAPTED TO DARKNESS A65-81943
- ABSOLUTE JUDGMENTS OF LIGHT INTENSITY WITH EYE
HELD IN CONSTANT STATE OF DARK ADAPTION
AMRL-TR-64-103 N65-14002
- DATA**
- S INFORMATION**
- S SAMPLED DATA**
- DATA ACQUISITION**
- QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL
AND LATERAL MAMMILLARY NUCLEI AND RELATED
STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF
CAT BRAIN, NOTING ULTRASONIC LESIONS A65-30738
- ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA
ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING
PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW
MEASUREMENTS A65-33281
- PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS A65-36232
- ELECTROENCEPHALOGRAPHIC DATA PROCESSING AND DATA
ACQUISITION JPRS-27337 N65-10037
- BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS
OF CATARACTOGENIC METHODS SAM-TDR-64-19 N65-26243
- DATA ACQUISITION AND AUTOMATIC DATA PROCESSING
SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE TAPE LIBRARY N65-28768
- INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY N65-28776
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVEN-1444-1 N65-33459
- DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER
SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE
CYBERNETICS NASA-TT-F-9588 N65-35783
- DATA ANALYSIS**
- TROUBLESHOOTING INFORMATION PRESENTATION
TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE
EQUIPMENT CHARACTERISTICS A65-18290
- SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED
PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL
SUBSYSTEM CONCEPT A65-18292
- AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE
CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO
DEVELOP DIGITAL TECHNIQUES FOR PROCESSING,
DISPLAYING, AND ANALYZING DATA
LMSC-6-65-65-15 N65-24710
- HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR
ANALYSIS OF MORPHOLOGICAL DATA N65-28760
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVEN-1444-1 N65-33459
- DATA CONVERSION**
- ANALYSIS AND SYNTHESIS OF CYBERNETIC SYSTEMS AND
DEVICES - RESEARCH ON DATA CODING AND
CONVERSION WITH AID OF DIGITAL COMPUTERS
JPRS-31240 N65-29010
- ROLE OF SEXES IN TRANSMISSION AND CONVERSION
- OF GENETIC INFORMATION N65-32583
- DATA HANDLING SYSTEM**
- TELEMETRIC UNIVERSAL SENSOR / TELUS/ FOR
MONITORING ELECTRICAL OR ELECTROMAGNETIC OUTPUTS
FROM FIELD SENSING INSTRUMENTS A65-24202
- ELECTROGRAPHIC FORMATS TO MEET BIOPHYSICAL
RESEARCH REQUIREMENTS - RELATIONSHIP AMONG
BIOPHYSICAL INSTRUMENTATION PROBLEM, RESEARCH
WORKER, AND DATA HANDLING AND INTERPRETATION
N65-28755
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMTRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS SAM-TR-65-1 N65-33678
- AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM
NASA-CR-67080 N65-33972
- DATA PROCESSING**
- SA AUTOMATIC DATA PROCESSING SYSTEM
- SA COMPUTER PROGRAM
- SA INFORMATION
- SA INFORMATION PROCESSING
- NEUROPHYSIOLOGICAL DATA TREATED MATHEMATICALLY BY
COMPUTER-TAPE RECORDING SYSTEM IN BRAIN RESEARCH
INSTITUTE A65-16467
- PHYSIOLOGICAL TELEMTRY AND PROCESSING OF MEDICAL,
ZOOLOGICAL AND BIOASTRONAUTICAL DATA A65-81314
- ELECTROENCEPHALOGRAPHIC DATA PROCESSING AND DATA
ACQUISITION JPRS-27337 N65-10037
- VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMTRY
AMRL-TR-64-124 N65-17230
- COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING NASA-CR-174 N65-18501
- TOPOLOGICAL ASPECTS OF DATA PROCESSING RELATED
TO ELECTRICAL ACTIVITY OF BRAIN N65-28754
- DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL
PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL
PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT
N65-28759
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA
PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR
MANNED SPACE FLIGHTS NASA-TN-D-2695 N65-33350
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS GGC/EE/65-10 N65-35197
- OPERATION OF MATHEMATICAL MODEL OF
BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
DATA PROCESSING SYSTEM NSAM-915 N65-36249
- DATA RECORDER**
- DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- DATA RECORDING**
- BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT N65-16605
- DATA REDUCTION**
- COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS

DATA STORAGE

A65-24193

BIOMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE
FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION,
NOTING EKG AND EEG APPLICATION

A65-24203

NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA
COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND
REDUCTION OF DATA, AND PATTERN AND CORRELATION
ANALYSIS

N65-28757

DATA STORAGE

SA MEMORY STORAGE UNIT

TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVCE-1444-1

N65-33459

DATA TRANSMISSION

SA COMPUTER
SA REDUNDANCY ENCODING

CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS
CONSIDERING DATA TRANSMISSION LIMITATION, LOW
SCIENTIFIC PAYLOAD, LANDING IMPACT AND
CONTAMINATION

A65-10729

DEEP SPACE VOICE COMMUNICATION SYSTEM USING EAR-
BRAIN ANALOG

A65-17486

TROUBLESHOOTING INFORMATION PRESENTATION
TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE
EQUIPMENT CHARACTERISTICS

A65-18290

DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW

A65-18291

TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN
SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING
SOLID STATE AMPLIFIERS

A65-24200

VOSTOK SATELLITE PHYSIOLOGICAL TELEMETRY DURING
INTERPLANETARY FLIGHT, CONSIDERING BIOLOGICAL
CONTROL AND INFORMATION TRANSMISSION TO EARTH AND
MEDICAL INVESTIGATIONS BY CODING

A65-32301

CHECK-READING ACCURACY AND QUANTITATIVE
INFORMATION COMBINED IN SPACE-SAVING DISPLAY

A65-80343

PROBLEMS IN DATA TRANSMISSION BY TELEMETRY OF
BIOLOGICAL INFORMATION COLLECTED IN EXPERIMENTS
WITH 50-FT. HUMAN CENTRIFUGE

A65-81356

MAN-MACHINE INTERACTION IN INFORMATION DISPLAY AND
PROCESSING
ESD-TDR-64-609

N65-11774

TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION

N65-12735

TRANSMISSION OF MEDICAL INFORMATION OVER TELEMETRY
CHANNELS OF LIMITED CAPACITY

N65-13640

SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS
DIRECTORY FOR FACILITATING EXCHANGE OF DATA,
IDEAS, AND INFORMATION
NASA-CR-53419

N65-16826

ROLE OF SEXES IN TRANSMISSION AND CONVERSION
OF GENETIC INFORMATION

N65-32583

S DIRECT CURRENT /DC/

AFNESS

SA HEARING LOSS

OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF
MECHANICS WORKING ON JET AIRCRAFT BASES

A65-80125

SURGERY IN CASES OF OTOSCLEROTIC DEAFNESS IN
FLYING PERSONNEL

A65-80217

SUBJECT INDEX

SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS -
INSTRUMENTATION, NASAL CAVITY STRUCTURES,
ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND
BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964

N65-23850

DEATH

SYMPTOMS, DISEASE, AND DEATH AS AFFECTED BY
WEATHER

A65-80496

HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH

N65-17803

DURATION OF CLINICAL DEATH AND HYPOXIA

N65-17804

DECABORANE

METHYLENE BLUE IN TREATMENT OF DECABORANE TOXICITY
IN RABBIT

A65-81034

MONKEY PERFORMANCE FOLLOWING INJECTION OF
DECABORANE
AMRL-TDR-64-74

N65-10268

TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49

N65-30346

DECAY

SA DEGRADATION
SA RADIOACTIVE DECAY

BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM
COMPOUNDS

N65-10115

DECELERATION

SA IMPACT DECELERATION

ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL
SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE
LANDING IMPACT

A65-10732

ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN
DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE
FORCE AND SHORT DURATION

A65-81837

DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS -
CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET
SLED AND EFFECT OF VARIOUS DECELERATION FACTORS
ON HUMAN RESTRAINED BY STRAPS
AD-609412

N65-19676

HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED

N65-19677

ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP -
EFFECT ON MOTION AND POSITION, AND SAFETY
PROBLEMS OF HIGH G FORCE

N65-19678

DECISION

MULTIPLE-CHOICE DECISION BEHAVIOR INFLUENCED BY
TWO DIFFERENT PAYOFF FUNCTIONS

A65-80514

BASES FOR PREFERENCES AMONG THREE-OUTCOME BETS

A65-80792

PSYCHOLOGICAL AND NEUROPHYSIOLOGICAL ASPECTS OF
VIGILANCE STUDIES- A REVIEW

A65-81036

PROBLEM SOLVING ON STOCHASTIC PROCESS - MONITORING
OF COMPUTER SOLUTIONS BY MAN

A65-81225

EXPECTED VALUE AND RESPONSE UNCERTAINTY IN
MULTIPLE CHOICE DECISION BEHAVIOR

A65-81984

DOGMATISM AS DEFENSE MECHANISM INTERFERING WITH
PROCESSING OF PREDECISIONAL INFORMATION

A65-82294

MODIFIABILITY OF DECISIONS MADE IN CHANGING
ENVIRONMENTS - HUMAN BEHAVIOR
ESD-TR-64-657

N65-17007

PREDICTING DECISION MAKING BEHAVIOR FROM
PERSONALITY AND COGNITIVE VARIABLES
ESD-TDR-64-619

N65-17012

PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING

SUBJECT INDEX

DECOMPRESSION SICKNESS

- DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299 N65-34557
- DECISION THEORY
SA STATISTICAL DECISION THEORY
- VIGILANCE DEFINED AS PROBABILITY OF DETECTING
SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN
MANNED SPACEFLIGHT A65-35484
- THEORY OF SIGNAL DETECTABILITY AND
DEFERRED DECISION THEORY A65-81424
- SEEKING INFORMATION TO REDUCE RISK OF DECISIONS
A65-81578
- TIME SHARING AND VIGILANCE ANALYSED IN VIEW OF
SIGNAL DETECTION THEORY A65-81657
- DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES
NAVTRADEVCE-1329-1 N65-10522
- HUMAN ENGINEERING DESIGN CRITERIA - OPERATIONAL
ENVIRONMENT, SAFETY, CONTROL AND DISPLAY,
DECISION MAKING, ANTHROPOMETRY, CLOTHING, AND
MAINTAINABILITY
NASA-CR-60855 N65-17511
- DECISION PROCESS, AND PHYSIOLOGICAL RESPONSE
SYSTEMS USED IN LIE DETECTION - INTERPRETATION
OF POLYGRAPHIC DATA
RADDC-TDR-64-101 N65-19993
- PROCEDURAL CONSTRAINT AND TASK PERFORMANCE -
ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING
ESD-TR-64-663 N65-22466
- CONFERENCE ON PREDECISIONAL PROCESSES IN DECISION
MAKING - ASSESSMENT OF PRESENT DECISION THEORY
ADEQUACY IN DEALING WITH HUMAN DECISION MAKING
BEHAVIOR
AMRL-TDR-64-77 N65-22475
- NUMBER OF TERMINAL ACTS AND PRIOR INFORMATION
EFFECTS ON SEQUENTIAL INFORMATION SEEKING -
DECISION THEORY
ESD-TDR-64-606 N65-26121
- INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTI-AIRCRAFT WARFARE
REPT-567-R-2 N65-28334
- STRESS AND OVERLOAD EFFECTS ON GROUP DECISION
MAKING AND COMMUNICATION PATTERNS - PARTICIPANT
FUNCTIONING AS SELF-ORGANIZING SYSTEM
QTSR-1 N65-30512
- DECOMPOSITION
SA ABLATION
SA DEGENERATION
SA DEGRADATION
SA DISSOCIATION
SA ELECTROLYSIS
SA HYDROLYSIS
- DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS
AND AMMONOLYSIS N65-23936
- DECOMPRESSION
SA EXPLOSIVE DECOMPRESSION
- DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE
CONCENTRATION OF FLATUS PRODUCED IN MAN
A65-10744
- DECOMPRESSION CHAMBER TEST IN
OTORHINOLARYNGOLOGICAL EVALUATION OF FLIGHT
PERSONNEL A65-80915
- EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM
8,000 TO 45,000 FEET A65-81072
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN A65-81730
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION A65-81731
- DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159
- FLATUS CARBON DIOXIDE PRODUCTION AT DECOMPRESSION
N65-16626
- RAPID DECOMPRESSION OF PRIMATES TO NEAR VACUUM
CONDITIONS FOR RECOVERY OF ABILITY TO PERFORM
COMPLEX TASKS PRIOR TO DECOMPRESSION
SAM-TDR-64-42 N65-16878
- SPACE ENVIRONMENT SIMULATION OF VACUUM
DECOMPRESSION TO DETERMINE SURVIVAL AND
AND RECOVERY PROBABILITY - ANIMAL STUDY
NASA-TM-X-51669 N65-24039
- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON
CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND
OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING
OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- DECOMPRESSION SICKNESS
ALTITUDE DECOMPRESSION SICKNESS TREATED WITH
COMPRESSION TO 2-6 ATMOSPHERES ABSOLUTE,
CONSIDERING BUBBLE EMBOLUS HYPOTHESIS
A65-14238
- LEARNING SET PERFORMANCE OF SQUIRREL MONKEYS AFTER
RAPID DECOMPRESSION TO VACUUM, NOTING PHYSICAL
EFFECT A65-16554
- INTENSITY AND DURATION OF BENDS PAINS DETERMINED
BY SIMULATED ORBITING LABORATORY FLIGHTS OF
VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN
DISSOLVED IN BLOOD A65-24074
- BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO
45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS
AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK
ROLE A65-24075
- DECOMPRESSION SICKNESS AND INCIDENCE OF
NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF
MEDICAL TEAM A65-34200
- DECOMPRESSION SICKNESS TREATED WITH COMPRESSION
A65-80146
- FAT EMBOLISM IN FATAL DECOMPRESSION SICKNESS IN
T-33 AIRCRAFT A65-80149
- DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT
A65-81071
- ETIOLOGY AND TREATMENT OF EXPERIMENTAL
DECOMPRESSION SICKNESS WITH SPECIAL REFERENCE TO
BODY LIPIIDS IN RATS A65-81585
- EFFECT OF COMPRESSION ON COMPOSITION AND
ABSORPTION OF TISSUE GAS POCKETS IN RATS
A65-81907
- TEAM APPROACH TO MEDICAL MANAGEMENT OF
DECOMPRESSION SICKNESS IN AIRMEN
A65-82033

DECONTAMINATION

SUBJECT INDEX

HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION
AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN
CABIN ATMOSPHERE N65-14452

DECONTAMINATION SA CONTAMINATION

ANNOTATED BIBLIOGRAPHY ON PHYSICAL AND CHEMICAL
METHODS FOR REMOVAL OF RADIOACTIVE CONTAMINATION
TID-3535, SUPPL. 1 N65-24262

ELECTRON STERILIZATION OF CONTAMINATED FOOD -
RADIOBIOLOGY AND DECONTAMINATION
FD-6 N65-25641

PURIFICATION OF WATER CONTAMINATED WITH
BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE
POLYMERS N65-28296

DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116

DEFECT S SPEECH DEFECT

DEGASSING
DEGASSING CHARACTERISTICS OF MATERIALS AND
SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL
EVALUATION TECHNIQUE A65-23617

DEGENERATION SA DECOMPOSITION

CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE
CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES
WASH-1059 N65-27468

DEGRADATION SA DECAY SA DECOMPOSITION

RECOGNITION VALUES UNDER VARYING LEVELS OF IMAGE
DEGRADATION
ESD-TDR-64-666 N65-18963

PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318

DEHYDRATION

CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT
STRESS A65-80677

VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT,
COLD, EXERCISE, AND WATER DEPLETION A65-81634

CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
A65-81910

HUMAN TOLERANCE TO POSITIVE ACCELERATION AS
AFFECTED BY DEHYDRATION DURING HEAT STRESS
A65-82116

PHYSIOLOGY OF THIRST AND DRINKING - DEHYDRATION
LAG IN MAN AND RAT
NASA-TM-X-51938 N65-29471

DEHYDROGENATION SA HYDROGENATION

HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND
IN LIVE ORGANISMS A65-32614

HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALOACETIC-
TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF
MYOCARDIUM OF RAT A65-80154

EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13 N65-18974

DELTA DART S F-106 AIRCRAFT

DENSITOMETER

DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398

DENTISTRY

STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241

AGING EFFECT ON PROTECTIVE POTENCY OF STANNOUS
FLUORIDE SOLUTION - DENTISTRY
SAM-TR-65-15 N65-26618

CARDIOVASCULAR AND PSYCHOGALVANIC SKIN
RESPONSE MONITORING DEVICES - ELECTRONIC
MICROINSTRUMENTATION IN DENTISTRY
SAM-TR-64-90 N65-30496

DEOXYRIBONUCLEIC ACID /DNA/

IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION
IN ESCHERICHIA COLI CELLS AND RNA MESSENGER
DECAY A65-10633

REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN
CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL
DEOXYRIBOSIDE A65-18398

RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
RATS A65-20937

PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS
EFFECT ON EARLY THYMINELESS DEATH OF ESCHERICHIA
COLI B3 EXPOSED TO UV RADIATION A65-21948

FREE RADICALS INDUCED BY X-RAY IRRADIATION
IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF
ELECTRONPARAMAGNETIC RESONANCE SPECTRUM OF
DEGRADED DNA A65-27950

LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING
LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL
VARIATIONS AND AGENTS RESPONSIBLE A65-29012

INCORPORATION OF 5-BROMOURACIL AND PLASTID
MUTATION DURING REPLICATION OF PLASTID
DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND
SULPHANILAMIDE A65-31389

REACTIVITY OF DEOXYRIBONUCLEIC ACID /DNA/ WITH
ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS
WITH ANTIPURINYL ANTIBODY WITH OR WITHOUT HEAT
DENATURATION A65-33947

INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD. A65-82051

EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS A65-82325

DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME
REPLICATION IN CAT BONE MARROW CELLS
USNRDL-TR-779 N65-11959

CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
RIBONUCLEIC ACID IN BACILLUS
ISS-64/48 N65-23306

RADIATION DAMAGE AND EFFECTS IN INTRACELLULAR
COMPONENTS, DEOXYRIBONUCLEIC ACID SYNTHESIS,
IONIZING RADIATION, AND RADIATION PROTECTION
FTD-TT-64-515/162 N65-23450

PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND
X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC
ACID SYNTHESIS IN ANIMAL CELLS N65-23458

X-RAY AND AMINO ACID ANALOG EFFECT ON DNA
SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS
N65-23459

SUBJECT INDEX

DETECTION

- EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION N65-23461
- RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN AND BONE MARROW AFTER TOTAL BODY IRRADIATION - VITRO ASSAY SYSTEM SAM-TR-65-14 N65-26240
- INTERACTION BETWEEN DNA AND RNA OF BACILLUS STEAROTHERMOPHILUS ISS-64/47 N65-29209
- DEPERSONALIZATION
DEPERSONALIZATION SYNDROME AS THREAT TO EFFECTIVENESS OF SPACEMEN AND SUBMARINERS A65-80222
- DEPRIVATION
S CONFINEMENT
S SENSORY DEPRIVATION
S SLEEP DEPRIVATION
S STARVATION
- DEPTH MEASUREMENT
EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM THICKNESS ON 1000 KPV X-RAY DEPTH DOSE UR-667 N65-29886
- DEPTH PERCEPTION
SA STEREOSCOPIC VISION

TRANSIENT WEIGHTLESSNESS EFFECTS ON VISUAL ACUITY AND BINOCULAR DEPTH PERCEPTION IN HUMANS A65-22908

BINOCULAR RIVALRY AND STEREOPSIS EXPLAINED ON BASIS OF BINOCULAR CYCLOPEAN FIELD A65-80245

DEPTH DISCRIMINATION FOR INTERMITTENT STIMULI VIEWED BINOCULARLY MONOCULARLY AND WITH ALTERNATING EYES A65-80249

STEREOSCOPIC TELEVISION PURSUIT TRACKING WITH COMPARISON OF AIDED AND DIRECT TRACKING SYSTEMS A65-80345

STEREOKINERADIOGRAPHY - PERCEPTION OF MOTION AND DEPTH IN RELATION TO PHOTOGRAPHIC INTERPRETATION A65-80634

BEHAVIORAL BASIS OF PERCEIVED SIZE AND DISTANCE AND EXPLANATION OF SIZE ILLUSIONS A65-81404

PERCEPTUAL INVARIANCE IN KINETIC DEPTH EFFECT A65-81663

CONVERGENCE AS CUE TO PERCEIVED SIZE AND DISTANCE A65-81882

EQUIDISTANCE TENDENCY IN DEPTH PERCEPTION AND ITS APPLICATION TO MOON ILLUSION AND OTHER VISUAL PROBLEMS A65-82039

SIZE CUES AND ADJACENCY PRINCIPLE IN PERCEPTION OF RELATIVE DEPTH A65-82057

NATURE OF EFFECTIVE BINOCULAR DISPARITIES FOR DEPTH PERCEPTION A65-82258

RELATIVE SIZE CUE EFFECT ON PERCEIVED RELATIVE DISTANCE A65-82262

DEPTH PERCEPTION INFLUENCED BY RELATIVE HEIGHT ON PICTURE PLANE A65-82338

RELATION BETWEEN PERCEIVED SIZE, RETINAL SIZE, AND DEPTH PERCEPTION AM-64-13 N65-16185

PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND CONSEQUENCES AM-65-11 N65-33981

HUMAN VISION AND DEPTH PERCEPTION AGAINST SIMULATED SPACE BACKGROUND
- NASA-TN-D-2845 N65-34500
- DESCENT
TIME FACTOR IN RETAINING CONSCIOUSNESS DURING RAPID EMERGENCY DESCENT TO LOWER ALTITUDE N65-13689
- DESERT
BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS A65-80067

HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING DAY AND NIGHT IN DESERT ENVIRONMENT A65-80907

HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT A65-80910

SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES A65-80959

ANTHROPOMETRIC MEASUREMENTS OF VARIOUS NOMADIC RACIAL GROUPS LIVING IN SAHARA A65-80964

ELECTROENCEPHALOGRAPH CHANGES AND AUDITORY AND VISUAL REACTION TIMES AFTER LIVING IN DESERT A65-80965

COMPARATIVE HUMAN BEHAVIOR OF DIFFERENT SIZE GROUPS OF ADULTS IN DESERT ENVIRONMENT UNDER VARYING LIVING CONDITIONS A65-80966

EFFECTS FROM CHRONIC EXPOSURE TO LOW LEVEL IONIZING RADIATION ON DESERT ECOLOGICAL SYSTEM UCLA-12-532 N65-10313
- DESERT ADAPTATION
BLOOD-TYPING ROLE IN STUDYING ARID ZONE POPULATIONS A65-80904

HEAT TRANSFER IN MEN ADAPTED TO LIVING IN DESERT A65-80908

HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT A65-80961
- DESIGN
S AIRCRAFT DESIGN
S COMPUTER DESIGN
S EQUIPMENT SPECIFICATIONS
S SPACECRAFT DESIGN
S STRUCTURAL DESIGN
S SYSTEMS DESIGN
- DETECTION
SA AIRCRAFT DETECTION

POTASSIUM PALLADO SULFITE METHOD FOR CARBON MONOXIDE DETECTION A65-81275

ADAPTIVE PATTERN RECOGNITION AND DETECTION, AND ANALYTICAL PROBLEMS INHERENT TO PERCEPTORS AD-608157 N65-15664

SENSORY ORGANS IN ANIMAL SYSTEMS - ANALOGY FOR MANMADE DETECTION DEVICES NASA-CR-60434 N65-16028

DETECTION OF RATE CHANGES IN PERIODIC PROCESSES CSL-R-235 N65-19410

TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY AND RADIOPROBE FOR DETECTING FOREIGN BODIES JPRS-29954 N65-23446

RADIOPROBE FOR DETECTION OF FOREIGN BODIES N65-23448

LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS AT LOW LEVELS OF ILLUMINATION - SUPERIORITY OF WHITE LIGHT OVER RED LIGHT DISPLAY IN DETECTION-RECOGNITION AND TRACKING PERFORMANCE AD-613344 N65-25675

QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR

DETECTOR

DETECTION OF SMALL DIFFERENCES IN PROTEIN
STRUCTURE
NASA-CR-58660 N65-29652

VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554

DETECTOR

SA INDICATOR
SA LIFE DETECTOR
SA PARTICLE DETECTOR
SA PHOTODETECTOR
SA RADIATION DETECTOR
SA SIGNAL DETECTOR

CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC
MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE
AMRL-TR-64-116 N65-19152

FORTAN PROGRAM FOR IBM 1620 COMPUTER TO
CALCULATE ISO RESPONSE AND VOLUME RESPONSE OF
DETECTOR-COLLIMATOR SYSTEM N65-25664

DETONATION

ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY
ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF
PLUTONIUM-BEARING WEAPON SIMULANT
UR-665 N65-28325

DEVICE

S COMMUNICATIONS DEVICE
S CONTROL DEVICE
S ELECTROMECHANICAL DEVICE
S INSTRUMENT
S SAFETY DEVICE
S SAMPLING DEVICE
S SCANNING DEVICE
S SEMICONDUCTOR DEVICE
S SOLID STATE DEVICE
S STORAGE DEVICE

DIAGNOSIS

SA FUNCTION TEST

ELECTROENCEPHALOGRAPHY IN DIAGNOSIS OF EPILEPSY IN
FLYING PERSONNEL A65-80121

VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124

DIAGNOSIS, AND TREATMENT OF HUMAN RADIATION
INJURY AFTER WHOLE-BODY EXPOSURE WITH PROGNOSIS
FOR LEUKEMIA A65-80165

X-RAY DIAGNOSIS - REVIEW OF PROGRESS SINCE 1941
AND APPLICATION TO AVIATION MEDICINE A65-80404

EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY
A65-80632

RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS A65-80919

DIAGNOSTIC METHODS USED IN CARBON MONOXIDE
POISONING - COMPARATIVE STUDY A65-81401

VESTIBULAR THRESHOLD TESTS - DIAGNOSTIC VALUE AND
RELATION TO NYSTAGMUS A65-81724

DIFFERENTIAL DIAGNOSIS OF OCCUPATIONAL DISORDERS
OF HEARING DUE TO NOISE HAZARDS A65-81929

DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS
OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION,
HYPERVENTILATION, AND PHOTIC STIMULATION
A65-82032

DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION
AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA
A65-82190

DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE

SUBJECT INDEX

TO CARBON TETRACHLORIDE POISONING A65-82303

DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL
AFFLICTED WITH ATHEROSCLEROSIS N65-13733

HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS
USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF
DAMAGED ENDOCARDIUM N65-17796

AUTOMATIC DIAGNOSIS OF DEGREE OF HYPOXIA
N65-17845

RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION
INJURY DURING IRRADIATION OF VARIOUS PARTS OF
HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF
ACUTE RADIATION SICKNESS N65-20599
JPRS-29410

MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY
COMPUTER, GAS EXCHANGE DURING RADIATION
SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC
ENVIRONMENT N65-22728
JPRS-29788

CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER -
CYBERNETICS N65-22729

ELECTRONIC MEASURING APPARATUS TO DIAGNOSE
STOMACH DISORDERS, ADRENAL CORTEX CONDITION IN
CARDIOVASCULAR AND METABOLIC DISORDER, AND
HORMONE CONCENTRATIONS N65-24065
JPRS-30182

RADIATION MEDICINE - USE OF RADIATION IN CLINICAL
DIAGNOSIS, RADIATION INJURY, DETECTING
RADIOACTIVITY, AND RADIOSENSITIVITY N65-25657
CRINS-49

RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND
X-RAY DIAGNOSIS IN U.S.S.R. N65-30215
JPRS-31300

X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R. N65-30221

DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN
U.S.S.R. N65-30222

FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS
OF DISEASE N65-30223

MATHEMATICAL LOGIC AND PROBABILITY THEORY OF
CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
JPRS-31926 N65-32762

DIAL

CHECK-READING ACCURACY AS FUNCTION OF POINTER
ALIGNMENT, PATTERNING, AND VIEWING ANGLE A65-80342

CHECK-READING ACCURACY AND QUANTITATIVE
INFORMATION COMBINED IN SPACE-SAVING DISPLAY
A65-80343

DIAPHRAGM

RESPIRATORY MECHANICS AND DIAPHRAGM
ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF
RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE
TO INSPIRATION A65-80315

DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS
DURING POSITIVE PRESSURE BREATHING
AMRL-TR-64-141 N65-30345

DIELECTRICS

EFFECT OF GAMMA RADIATION AND VIBRATION ON
DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION
BALANCE OF ERYTHROCYTES N65-34868
FTD-TT-65-585/16264

DIESEL ENGINE

EYE AND PULMONARY FUNCTION AS AFFECTED BY DIESEL
EXHAUST GASES A65-80828

DIET

SA CALORIC REQUIREMENT
SA FOOD
SA NUTRITIONAL REQUIREMENT

- SA SPACE FLIGHT FEEDING
SA STARVATION N65-32662
- LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846
- DIET SURVEY OF QUECHUA INDIANS AT HIGH ALTITUDE IN
PERUVIAN ANDES A65-80449
- URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH
FAT DIETS, AND KETONE INFUSIONS
A65-80515
- DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL A65-80896
- SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER
CONDITIONS OF WORK IN HOT CLIMATE
A65-80957
- NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT
N65-18572
- DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION N65-18583
- DIET AND NUTRITION EFFECT ON GASTROINTESTINAL
SYSTEM AND BOWEL MOTILITY N65-18585
- FORMULA DIETS - WEIGHT CONTROL, PEPTIC ULCER,
INFANT, AND DIETS FOR METABOLIC STUDIES
N65-18599
- EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13 N65-18974
- EFFECT OF DIET ON RAT EXCRETION OF TRITIUM
RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF
TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE
AAL-TR-64-29 N65-25344
- EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE
OF BLOOD IN NORMAL PERSONS
NASA-TT-F-9439 N65-29726
- STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND
DIETS OF CHILDREN N65-36616
- DIFFERENTIAL EQUATION
NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF
CIRCULATORY SYSTEM
HDL-TR-1244 N65-28236
- RESTRICTIONS ON DIFFERENTIAL EQUATIONS NECESSARY
TO USE DYNAMIC MODELING TO DESCRIBE BIOLOGICAL
SYSTEMS
JPRS-31663 N65-31712
- DIFFRACTION GRATING
EDGE EFFECTS OF MOVEMENT OF GRATING BEHIND FIXED
APERTURE LEADS TO SPURIOUS ESTIMATES OF OPTICAL
RESOLUTION IN INSECTS AND MAN A65-36092
- DIFFRACTION PATTERN
DIFFRACTION AND VISUAL ACUITY OF INSECTS
A65-36091
- DIFFUSION
SA GASEOUS DIFFUSION
SA MOLECULAR DIFFUSION
SA OSMOSIS
SA SPECIES DIFFUSION
- MEASUREMENT OF LUNG DIFFUSING CAPACITY IN
CYCLICALLY AND CONTINUOUSLY VENTILATED CLOSED
SYSTEMS A65-80309
- MEASURING LUNG DIFFUSION CAPACITY USING
REBREATHING METHOD IN SUBJECTS WITH NONUNIFORM
VENTILATION A65-80310
- ELECTRICAL MODEL OF NERVE FIBER AND PROTOPLASM
DIFFUSION PROCESSES DURING EXCITATION OF NERVE
- DIGESTIVE SYSTEM
SA GASTROINTESTINAL SYSTEM
SA INTESTINE
SA STOMACH
- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS
ON SKIN, DIGESTIVE, CIRCULATORY, AND
REPRODUCTIVE SYSTEMS OF CHICKEN
A65-80383
- HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN
STOMACH AND INTESTINE IN DOGS A65-80710
- WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN
RELATION TO FEEDING A65-80976
- MECHANISMS OF MORPHOLOGICAL AND FUNCTIONAL
CHANGES IN THE DIGESTIVE SYSTEM ASSOCIATED WITH
FLIGHT STRESS A65-81831
- MEDICAL INVESTIGATIONS OF CIRCULATION, NERVOUS,
AND DIGESTIVE SYSTEMS IN HEALTHY AND DISEASED
HUMANS AND ANIMALS
JPRS-27178 N65-10212
- HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND
METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE
TRACT
NASA-CR-57812 N65-21309
- HUMAN FECAL BACTERIA ISOLATION AND METABOLIC
STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
NASA-CR-62108 N65-21390
- DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS -
HUMAN PATHOLOGY AND CLINICAL MEDICINE
JPRS-30288 N65-24435
- RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF
DIGESTIVE SYSTEM TO X-RAY IRRADIATION
N65-24877
- DIGITAL COMPUTER
SA ANALOG COMPUTER
- DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION
OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147
- VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS
WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC
ACTIVITY A65-80783
- OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15615
- CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN
RECOGNITION - DIGITAL COMPUTER MODEL
GE/EE/64-22 N65-26347
- SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762
- ANALYSIS AND SYNTHESIS OF CYBERNETIC SYSTEMS AND
DEVICES - RESEARCH ON DATA CODING AND
CONVERSION WITH AID OF DIGITAL COMPUTERS
JPRS-31240 N65-29010
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS
GGC/EE/65-10 N65-35197
- OPERATION OF MATHEMATICAL MODEL OF
BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
DATA PROCESSING SYSTEM
NSAM-915 N65-36249
- DIGITAL INTEGRATOR
DIGITAL INTEGRATOR FOR ON-LINE PULMONARY

- COMPLIANCE MEASUREMENTS A65-81154 A65-80853
- DIGITAL SIMULATION
ANALOG AND DIGITAL COMPUTER SIMULATION OF
CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS A65-81357
- DIGITALIS
AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF
EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION
OF NORMAL RHYTHM A65-80210
EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS
PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO
MICROWAVE IRRADIATION A65-81866
- DIMENSIONAL ANALYSIS
ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS
IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON
DIMENSIONAL ANALYSIS AND MODEL THEORY A65-19839
- DIMERCAPROL
TREATMENT OF OXYGEN TOXICITY IN RATS WITH
DIMERCAPROL A65-81150
- DIMETHYL HYDRAZINE
EMERGENCY EXPOSURE LIMITS FOR DIMETHYL HYDRAZINE,
NITROGEN DIOXIDE, AND TRICHLOROETHANE USEFUL AS
GUIDE FOR INDUSTRIAL HYGIENISTS A65-80619
PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF
HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND
RAT A65-81215
HEPATOTOXICITY OF RAT FROM HYDRAZINE AND
1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON
TETRACHLORIDE A65-81529
RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE,
METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE A65-81733
BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS
EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE
AMRL-TDR-64-72 N65-12045
IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND
1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND
LIVER TISSUE ENZYME ACTIVITIES N65-27575
AMRL-TR-65-19
- DIPHENYL HYDANTOIN
ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT
/STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT
/ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING
HIGH ALTITUDE ACCLIMATIZATION A65-80225
- DIPHTHERIA
VIABILITY OF DIPHTHERIA BACTERIA IN WATER AND
SALIVA - EFFECTS OF EVAPORATION, PARTICLE SIZE,
AND TEMPERATURE JPRS-29840 N65-22121
SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS
JPRS-30503 N65-26034
- DIRECT CURRENT /DC/
TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER
CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND
COMPACT SILICON STABILITRON CONVERTERS JPRS-30557 N65-25541
- DIRECTIONAL CONTROL
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT NASA-CR-239 N65-27946
- DISCRIMINATION
SA BRIGHTNESS DISCRIMINATION
SA SENSORY DISCRIMINATION
SA SPEECH DISCRIMINATION
SA TACTILE DISCRIMINATION
SA TIME DISCRIMINATION
SA VISUAL DISCRIMINATION RECOVERY
CONTOUR EFFECT ON SIMULTANEOUS BRIGHTNESS CONTRAST
- BINOULAR BRIGHTNESS AVERAGING AND CONTOUR
INFORMATION A65-80861
JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND
WHITE NOISE AS AFFECTED BY REPETITION RATE A65-82295
DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF
PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS
ESD-TDR-64-192 N65-25943
COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
FTR-1 N65-34419
- DISEASE
SA ACIDOSIS
SA ALKALOSIS
SA ALLERGY
SA ANEMIA
SA ARTERIOSCLEROSIS
SA ASTHMA
SA DIPHTHERIA
SA EPILEPSY
SA EYE DISEASE
SA HEART DISEASE
SA INFECTION
SA INSOMNIA
SA KIDNEY DISEASE
SA LEUKEMIA
SA RESPIRATORY DISEASE
SA SCHIZOPHRENIA
SA VIRUS
IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS
AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS
A65-80494
SYMPTOMS, DISEASE, AND DEATH AS AFFECTED BY
WEATHER A65-80496
CONTROLLED-CLIMATE CHAMBER USED TO DETERMINE
EFFECT OF VARYING CLIMATIC FACTORS ON DISEASES AND
ABNORMAL CONDITIONS A65-80504
HUMAN HEALTH AND DISEASE AS RELATED TO
ENVIRONMENT A65-80956
CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN
SUBJECTS WITH UNILATERAL INTERNAL CAROTID
OBSTRUCTION A65-81027
DISEASE TRANSMISSION BY AIRCRAFT A65-81584
SICKNESSES AND PHYSICAL FITNESS OF AVIATION
PERSONNEL A65-81781
IMPORTANCE OF OSTEOARTICULAR DISEASE IN AVIATION
MEDICINE A65-81829
PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL
AND OBSTRUCTIVE LUNG DISEASED PATIENTS A65-81973
VISUAL OBSERVATION OF H-RESPONSE IN
ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL
EXPOSED TO PHOTIC STIMULATION AS RELATED TO
MIGRAINE A65-81974
BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND
PSYCHIC DISEASES JPRS-28527 N65-15872
HYPOXIA IN PATHOLOGY OF LIVER DISEASES N65-17802
INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES
JPRS-28951 N65-18027
MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
INFANT RABBITS - HUMAN DISEASE N65-22294
DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS -
HUMAN PATHOLOGY AND CLINICAL MEDICINE JPRS-30288 N65-24435
X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R.

- FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS OF DISEASE N65-30221
- CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING GENETIC EFFECTS OF RADIATION - HEREDITY JPRS-31635 N65-31211
- BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC MOUTH DISEASES FTD-TT-65-530/1&4 N65-33755
- DISPLACEMENT**
- MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER VARIABLE RATIO REINFORCEMENT RESPONSES NADC-ML-6409 N65-10409
- EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION OF LOCATION AFOSR-64-0938 N65-11157
- TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT SELF PRODUCED MOVEMENTS NASA-CR-58609 N65-29386
- DISPLAY**
- S DIAL
- S VISUAL DISPLAY
- DISPLAY SYSTEM**
- SA IMAGE
- INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE SITUATIONS A65-10536
- CLASSIFICATION DIAGRAM FOR VISUAL DISPLAY SYSTEMS OF MAN-MACHINE SYSTEMS A65-10541
- TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING APPLIED TO CURRENT COMMERCIAL TRANSPORTS, DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND HANDLING QUALITIES A65-14227
- BLIND FLYING REQUIREMENTS INDICATE NEED FOR IMPROVED INSTRUMENT DISPLAYS A65-16441
- FLIGHT INDICATOR FUNDAMENTALS IN TERMS OF CONTROL THEORY AND MAN-MACHINE INTEGRATION A65-21156
- MINIMUM ATTENTION DISPLAY TECHNIQUE PERMITS MAXIMUM TRANSFER OF GUIDANCE INFORMATION TO OBSERVER WITHOUT EXCESSIVE SENSORY COMMITMENT TO DISPLAY A65-35171
- CHECK-READING ACCURACY AS FUNCTION OF POINTER ALIGNMENT, PATTERNING, AND VIEWING ANGLE A65-80342
- CHECK-READING ACCURACY AND QUANTITATIVE INFORMATION COMBINED IN SPACE-SAVING DISPLAY A65-80343
- STEREOSCOPIC TELEVISION PURSUIT TRACKING WITH COMPARISON OF AIDED AND DIRECT TRACKING SYSTEMS A65-80345
- INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW DETECTION METHOD A65-80390
- DISPLAY INTEGRATION LEVEL AND COMPENSATORY TRACKING PERFORMANCE A65-80565
- BINARY PURE-TONE AUDITORY DISPLAYS EVALUATED A65-81125
- MAN-MACHINE INTERACTION IN INFORMATION DISPLAY AND PROCESSING ESD-TDR-64-609 N65-11774
- COMPATIBLE AND INCOMPATIBLE DISPLAY-CONTROL DEVICES FOR TESTING MEMORY RETENTION REPT.-02855-1-F N65-12653
- POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING RADAR TARGET DETECTION
- AMRL-TR-64-82 N65-13995
- FLOATING POINT AND FIXED POINT NUMBER DISPLAY TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN AIRBORNE AND SPACE VEHICLES NASA-TN-D-2634 N65-15615
- MISREGISTRATION IN COLOR ADDITIVE DISPLAYS - HUMAN ENGINEERING RADC-TDR-64-488 N65-17906
- ANALYSIS OF PICTORIAL DISPLAY SYSTEMS REPT.-2732.01/23 N65-19322
- EFFECT OF EXPOSURE TIME AND INTENSITY ON FORM IDENTIFICATION - DISPLAY SYSTEMS RADC-TR-65-16 N65-22252
- LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS AT LOW LEVELS OF ILLUMINATION - SUPERIORITY OF WHITE LIGHT OVER RED LIGHT DISPLAY IN DETECTION-RECOGNITION AND TRACKING PERFORMANCE AD-613344 N65-25675
- HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH SPEED FLIGHT - PILOT TASK LOADING, FUNCTION ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION AD-460918 N65-27205
- ACCURACY OF ALTITUDE AND GROUND SPEED DETERMINATIONS USING CONTACT ANALOG SIMULATOR DISPLAY SYSTEM D228-421-015 N65-30934
- DISSOCIATION**
- SA ELECTROLYSIS
- POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES SAM-TR-64-75 N65-23589
- DISTANCE PERCEPTION**
- S DEPTH PERCEPTION
- DISTILLATION**
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT CHEMICALS SELECTION AND BACTERIA CONTROL IN PRODUCT ASME PAPER 65-AV-24 A65-22959
- DISTRIBUTION**
- S FREQUENCY DISTRIBUTION
- S NORMAL DISTRIBUTION
- S PRESSURE DISTRIBUTION
- S PROBABILITY DISTRIBUTION
- S RADIATION DISTRIBUTION
- S SPATIAL DISTRIBUTION
- S SPECTRAL ENERGY DISTRIBUTION
- S VERTICAL DISTRIBUTION
- DIURESIS**
- FLUID METABOLISM AND CIRCULATION DURING AND AFTER WEIGHTLESSNESS A65-26744
- PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS NASA-TT-F-9340 N65-22622
- DIURNAL RHYTHM**
- CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- CIRCADIAN RHYTHMS DURING AND AFTER THREE MONTHS IN SOLITUDE UNDERGROUND A65-80190
- DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS AND CARNIVORES EXPOSED TO EXTREME CHANGES IN ARCTIC DAYLIGHT A65-80268
- DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN TISSUES AFTER MECHANICAL INSULT IN RODENTS A65-80395
- SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF SLEEPING DONOR A65-80454

- ELECTRODERMOGRAM DURING SLEEP RELATED TO APPEARANCE OF RAPID EYE MOVEMENTS A65-80571
- CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT OF RAT PINEAL GLAND A65-80654
- DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81198
- DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA, INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING ANIMALS AS RELATED TO BODY TEMPERATURE A65-81469
- DAILY ADRENAL RHYTHM IN EQUATORIAL AMERINDIANS MEASURED BY URINARY HYDROXYCORTICOSTEROIDS A65-81553
- DIURNAL VARIATIONS IN ELECTROCARDIOGRAM OF MAN ON BED REST WHILE FASTING A65-82213
- DREAM CYCLES IN HUMAN AND ANIMAL SLEEP A65-82256
- NEUROPHYSIOLOGICAL AND PSYCHOANALYTICAL ASPECTS OF DREAM CYCLES A65-82322
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS DURING SPACE FLIGHT N65-26919
- DIURNAL VARIATION**
- HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING DAY AND NIGHT IN DESERT ENVIRONMENT A65-80907
- DIURNAL AND SEASONAL METABOLIC CHANGES IN ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS LIVING IN HOT CLIMATE A65-80960
- DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE AND CARTILAGE N65-18090
- DNA**
- S DEOXYRIBONUCLEIC ACID /DNA/
- DOCKING**
- REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR WITH CLOSED CIRCUIT TELEVISION NASA-TN-D-3044 N65-35517
- DOG**
- PRECORIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION A65-22329
- ALVEOLAR HYPOXIA EFFECT ON PULMONARY VASCULAR RESISTANCE OF DOG A65-80057
- LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA A65-80059
- CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE TENSION A65-80070
- CARBON DIOXIDE AND PULMONARY VENTILATION IN MUSCULAR EXERCISE OF DOG A65-80071
- OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG BREATHING 100 PERCENT OXYGEN A65-80072
- CHLORALDOSE AND PENTOBARBITAL EFFECT ON HEART RATE RESPONSE OF DOG TO CARBON DIOXIDE A65-80076
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V SATELLITES A65-80150
- SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL HEMODYNAMICS A65-80175
- PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY A65-80176
- HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
- HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN METABOLISM AND ENZYME ACTIVITY OF DOG HEART MUSCLE A65-80178
- PULMONARY VASCULAR CHANGES IN DOGS PLACED IN ATMOSPHERIC CONTROL CHAMBER WITH TEN PERCENT OXYGEN A65-80181
- LIMB CIRCULATORY RESPONSE TO HYPOCAPNIA IN ANESTHETIZED DOG AS AFFECTED BY PHENOXYBENZAMINE A65-80227
- PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION A65-80228
- HEMODYNAMIC CHANGES DURING ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80277
- ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE POISONING IN DOGS A65-80292
- CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS OF RESUSCITATION IN DOGS A65-80293
- HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80294
- PULMONARY DIFFUSING CAPACITY AND CAPILLARY BLOOD VOLUME IN NORMAL AND ANEMIC DOG A65-80313
- RESPIRATORY MECHANICS AND DIAPHRAGM ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE TO INSPIRATION A65-80315
- SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL A65-80323
- PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE A65-80352
- OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG KIDNEY A65-80362
- REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G A65-80369
- BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS, AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- RESPONSE OF CARDIOVASCULAR SYSTEM TO COLD-BLOCK OF VAGUS TRUNK A65-80602
- ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL HYPEREMIA OF SKELETAL MUSCLE OF DOG A65-80610
- BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW RELATIONS OF WHOLE DOG LUNG A65-80664
- PLASMA FREE FATTY ACID TURNOVER IN DOG DURING EXERCISE AS RELATED TO PHYSICAL CONDITION AND BLOOD LACTATE A65-80680
- TELEMETERING HYPOTHALAMIC TEMPERATURES OF UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT ENVIRONMENTS A65-80682
- CHARACTER OF CONDITIONED REFLEXES TO COMBINED ACOUSTIC AND VISUAL STIMULI IN DOGS

- A65-80699
CHARACTERISTICS OF EVOKED POTENTIALS DURING
EXTINCTION OF ORIENTING RESPONSE IN DOGS
- A65-80700
OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY
ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT
ENVIRONMENT
- A65-80705
HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN
STOMACH AND INTESTINE IN DOGS
- A65-80710
HYPERCAPNIC EFFECT ON HEART BLOOD SUPPLY UNDER
EXPERIMENTAL CONDITIONS IN DOGS
- A65-80716
TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/
REQUIREMENTS UNDER NERVOUS STRESS IN DOGS
- A65-80723
CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC
HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT
SIMULATED ALTITUDE
- A65-80795
ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO
STEPWISE ELEVATIONS OF ARTERIAL CARBON DIOXIDE
TENSIONS
- A65-80823
BREATHING OF PRESSURE OXYGENATED NORMAL SALINE IN
DOGS
- A65-80826
EFFECT OF PHYSICAL EXERCISE ON BLOOD SUGAR LEVEL
IN DOGS
- A65-80833
INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER
EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT
VESTIBULAR APPARATUS
- A65-80879
VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE
- A65-80917
WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN
RELATION TO FEEDING
- A65-80976
ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG
AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND
EPINEPHRINE
- A65-81025
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS
- A65-81144
EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND
FUNCTION IN DOGS
- A65-81172
REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF
DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA
- A65-81175
ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS
- A65-81176
RESPIRATORY ARRHYTHMIA AND RESPIRATORY
ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND
HYPOXIA IN DOGS
- A65-81277
OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA
AND BRAIN CIRCULATION
- A65-81338
THERMOREGULATION IN DOG DURING INTERNAL COOLING
AFTER SECTION OR COLD BLOCKADE OF VAGAL NERVES
- A65-81351
EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND
VASODILATORS IN REACTIVE HYPEREMIA IN DOGS
- A65-81450
ALTITUDE ACCLIMATIZATION EFFECTS SKELETAL BONE AND
BONE MARROW IN DOGS
- A65-81475
RESPONSE MECHANISM IN DOGS OF CIRCULATION AND
CARDIOVASCULAR SYSTEM TO HYPOXIA
- A65-81502
BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS
AND MUSCULAR EXERCISE
- A65-81603
CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE
BREATHING IN HYPOTHERMIC DOGS
- A65-81608
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS
- A65-81619
PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONIUM AND ALYMINAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS
- A65-81673
RESPIRATORY AND CIRCULATORY CHANGES AFTER
EXPERIMENTAL FAT EMBOLISM IN DOGS
- A65-81688
PROTECTIVE ROLE OF FOODS AND VITAMINS AGAINST
RADIATION EFFECT IN DOGS AND RATS
- A65-81702
CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF
NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG,
MJ1999, IN DOGS
- A65-81714
UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN
- A65-81730
DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION
- A65-81731
RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE,
METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE
- A65-81733
ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM
AND ON EXCESS LACTATE IN DOG
- A65-81747
RESISTANCE TO HYPOXIA AND HYPOTHERMIA
- A65-81794
BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS
- A65-81795
HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG
- A65-81797
STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG
- A65-81799
PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS
- A65-81800
ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
- A65-81803
VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS
- A65-81804
CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS
- A65-81806
DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS
- A65-81838
PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG
- A65-81839
GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS
- A65-81840
EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS
- A65-81842
LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA
- A65-81843
HEMODYNAMIC RESPONSE IN DOGS TO CHRONIC
DISCONTINUOUS HYPOXIA
- A65-81844
CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND
ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC
NERVES
- A65-81847
CEREBRAL BLOOD FLOW DURING CHANGES IN BODY

POSITION IN DOGS	A65-81858	MICROWAVES	A65-82364
EFFECT OF HYPOXIA ON SIZE OF ERYTHROCYTES IN DOGS	A65-81874	BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL VIBRATION STRESS	
		AMRL-TDR-64-58	N65-10467
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL	A65-81893	APPARATUS WITH PLETHYSMOGRAPH TO MONITOR RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY SYSTEM	
		LF-16	N65-11573
OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO BLOOD FLOW	A65-81894	REGULAR CHANGES OF CANINE PHYSIOLOGICAL RESPONSE UNDER CUMULATIVE SLOW CENTRIPETAL ACCELERATION	
		FTD-MT-63-179	N65-11618
VENTILATORY RESPONSE TO CARBON DIOXIDE DURING HYPOXIA IN DOGS	A65-81895	DOG SPLEEN RESPONSE TO LATERAL ACCELERATION	
			N65-13637
STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY RESPIRATION, POSTURE, AND VASCULAR OCCLUSION MEASURED WITH ELECTROMAGNETIC FLOW METER	A65-81899	EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE HYPOXIA IN DOGS AT HIGH ALTITUDE	
			N65-13704
INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR	A65-81901	OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS	
			N65-13705
DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER CURVE	A65-81902	MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED TO ACCELERATIONS OF VARYING INTENSITY, DURATION, AND DIRECTION	
			N65-13706
PREVENTION OF HYPERTENSION CAUSED BY INDUCED KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOG	A65-81988	CHANGES IN DOG PANCREAS FOLLOWING SINGLE LATERAL ACCELERATION	
			N65-13710
INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN DOGS	A65-82092	STRUCTURAL CHANGES IN DOG LUNGS AFTER EXPOSURE TO LATERAL ACCELERATIONS IN BACK-CHEST DIRECTION	
			N65-13715
RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN DOG DURING CHANGE FROM SUPINE TO ERECT POSITION AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING WEIGHTLESSNESS SIMULATION	A65-82115	INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE CHANGES IN RENAL TUBULES AS MORPHOLOGICAL CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY LATERAL ACCELERATIONS	
			N65-13716
INFLUENCE OF INSPIRED ALVEOLAR NITROGEN CONCENTRATION AND ENVIRONMENTAL PRESSURE UPON RATE OF GAS ABSORPTION FROM CLOSED AREA OF LUNG IN DOG	A65-82121	VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL ACCELERATIONS	
			N65-13719
TIME DERIVATIVE OF PRESSURE RELATED TO INSTANTANEOUS AORTIC BLOOD FLOW IN DOG	A65-82147	CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND DOGS CAUSED BY EXPLOSIVE DECOMPRESSION	
			N65-13722
CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE	A65-82148	CHANGES IN LYMPH NODES OF DOGS FOLLOWING SPACE FLIGHT	
			N65-13735
FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT	A65-82167	MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS FOLLOWING TRANSVERSE ACCELERATION	
			N65-13736
EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS IN DOGS	A65-82182	REACTION OF BLOOD SYSTEM OF DOG TO REDUCED BAROMETRIC PRESSURE	
			N65-13740
EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON MYOCARDIAL OXYGEN TENSION IN DOGS	A65-82186	REFLEX REACTIONS OF DOG TO BREATHING UNDER INCREASED INTRAPULMONARY PRESSURE	
			N65-13741
POTENTIAL RESPONSE IN VARIOUS CORTICAL STRUCTURES DURING FORMATION OF FOOD CONDITIONED REFLEXES TO ACOUSTIC AND PHOTIC STIMULI IN DOGS	A65-82226	CHANGES OF INTERNAL ORGANS IN DOGS SUBJECTED TO ROTATION	
			N65-13744
NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH ENERGY PROTONS IN DOGS	A65-82241	PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS SUBJECTED TO TRANSVERSE ACCELERATIONS	
			N65-13745
EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR TENSION IN DOGS AND CATS	A65-82271	ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO ALTITUDE FACTORS	
			N65-13751
PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS	A65-82323	PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN THORAX OF ANESTHETIZED DOGS	
			N65-17306
INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO LIPID AND ACETYLCHOLINESTERASE	A65-82360	HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA	
			N65-17760
WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF DOG DURING EXPOSURE TO TWO LEVELS OF PULSED		INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL ARTERY IN DOGS	
			N65-17786
		INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS IN HIGH ALTITUDE ENVIRONMENT	
			N65-17827
		MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS	
			N65-17836

SUBJECT INDEX

DOSIMETRY

- HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL
EPILEPTIC SEIZURES IN DOGS AND RATS N65-17841
- CALCIUM ACCRETION AND BONE FORMATION IN DOGS
N65-18088
- PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION
IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS
NADC-ML-6413 N65-18881
- HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES
DURING HYPOXIC HYPOXIA
JPRS-28921 N65-19810
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF
HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER
REGENERATION, BONE MARROW TRANSPLANTATION IN
RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250 N65-20139
- ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
JPRS-29435 N65-20835
- TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC
SHOCK IN DOGS N65-22763
- FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN
NORMAL ACUTELY BLED DOGS
UR-662 N65-23105
- RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED
NORADRENALINE AND ACUTE BODY COOLING -
CALORIGENIC EFFECTS OF NORADRENALIN
AAL-TR-64-21 N65-24080
- INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448
- DOG RECOVERY FROM RADIATION SICKNESS - STATE OF
MYELOPOIESIS IN DOGS UNDER REPEATED IONIZING
RADIATION N65-26389
- APOMORPHINE ADMINISTERED TO LABYRINTHECTOMIZED
DOGS FOR DETERMINING ROLE OF EXTRALABYRINTHINE
INFLUENCES IN PATHOGENESIS OF MOTION SICKNESS
JPRS-30843 N65-27115
- VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT
N65-27268
- CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON
CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF
HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION
OF TRAINED DOGS
AMRL-TR-64-145 N65-27837
- ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER
HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS
DURING HYPOXIA - ANIMAL STUDY
SAM-TR-64-78 N65-34068
- X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE
CAPACITY, AND LONGEVITY OF BEAGLE DOGS
UCD-472-111 N65-34324
- BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS
ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA
IN DOGS SUBJECTED TO HEMORRHAGING
JPRS-31781 N65-35017
- EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM
STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780
- DOLPHIN
DISCREPANCY BETWEEN HIGH SPEEDS ATTAINED BY
DOLPHINS AND THEIR MUSCLE POWER
A65-18443
- BIBLIOGRAPHY OF CETACEA LITERATURE
NAVWEPS-8645 N65-22386
- HYDROPHONE RECORDING DATA FOR SOUND SIGNALS
EMITTED BY DOLPHINS FOR DETERMINING SONIC
PRESSURE AT POINT OF EMISSION AND AT POINT OF
RECEPTION
JPRS-30466 N65-25426
- DOSAGE
SA RADIATION DOSE
DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION
PROTECTION CHEMICAL COMPOUNDS FOR MICE
N65-19215
- INTRAPERITONEAL INOCULATION OF MICE WITH SUBLETHAL
DOSAGES OF VIRUSES N65-22312
- INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM
THICKNESS ON 1000 KPV X-RAY DEPTH DOSE
UR-667 N65-29886
- RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM
SOLAR FLARE RADIATION - RADIATION EFFECTS
N65-34584
- SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE
LIMITS FOR CREW PROTECTION N65-34591
- SPACE RADIATION EFFECTS ON APOLLO MISSION -
OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594
- PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS N65-34611
- ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND
SPHERICAL MULTILAYER SHIELDING FOR CALCULATION
OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE
N65-34629
- CALCULATION OF PROTON PENETRATION AND DOSE RATES
FOR TISSUE, ALUMINUM, AND OTHER SHIELDING
MATERIALS N65-34630
- DOSIMETER
PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL
OF RADIATION OF DIRECT OR REFLECTED BEAMS AS
SAFEGUARD TO EYE DAMAGE A65-21951
- EVALUATIONS OF PLASTIC BADGES CONTAINING BETA,
GAMMA, AND NUCLEAR TRACK FILM FOR USE IN
PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333
- MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS
NASA-CR-65157 N65-36441
- DOSIMETRY
ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM
SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS
A65-13764
- SPACE RADIOBIOLOGY TRAINING AND OPERATIONS TO
MINIMIZE ASTRONAUT RADIATION DOSE
A65-14832
- BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON
ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF
MICROWAVE FIELD AND HEATING PATTERNS
A65-20934
- DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR
NEUTRON SOURCES - POLONIUM AND RADIUM
JPRS-27625 N65-12074
- PROTECTION, SOURCES, AND DOSIMETRY OF RADIOACTIVE
CONTAMINATION IN HUMAN BODY AND ENVIRONMENT
JPRS-27535 N65-12626
- RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605 N65-12939
- BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF
RADIOIODINE ISOTOPE DOSAGE TO THYROID

- UCRL-12492 N65-24727
THERMOLUMINESCENT DOSIMETRY USED TO MEASURE
TOTAL BODY IRRADIATION N65-25665
ANALYSIS OF EXTERNAL RADIATION EXPOSURE -
DOSIMETRY AND NUCLEAR REACTOR SAFETY
AECL-2239 N65-27447
MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS
AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE
AECL-2240 N65-27471
THERMAL EFFECT OF SUPERHIGH FREQUENCY
ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS
OF SUPERHIGH FREQUENCY FIELD DOSIMETRY
N65-28705
RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND
X-RAY DIAGNOSIS IN U.S.S.R.
JPRS-31300 N65-30215
IONIZING RADIATION DOSIMETRY RESEARCH AND DEVICE
DEVELOPMENT N65-30217
DOSIMETRY AND RADIATION THERAPY IN U.S.S.R.
N65-30220
COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR
DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE
PHANTOM FOR RADIATION EXPERIMENTS INVOLVING
SHEEP
USNRDL-TR-842 N65-30503
PERSONNEL DOSIMETRY SYSTEM FOR APOLLO
NASA-CR-65071 N65-30920
QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO
SPACE RADIATION - HIGH ENERGY PROTONS
N65-34607
BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY
JPRS-31822 N65-35016
- DOUGLAS MILITARY AIRCRAFT
S A-4 AIRCRAFT
- DROSOPHILA
SOLAR AND COSMIC RAY EFFECTS ON PROGENY YIELDS IN
FRUIT FLY DROSOPHILA MELANOGASTER SUBJECTED TO
MAGNETIC ENVIRONMENT A65-17351
VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT
ON APPEARANCE OF DOMINANT LETHALS IN RUDIMENTARY
CELLS OF DROSOPHILA A65-32302
NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER A65-80188
SURVIVAL OF ANIMALS, INCLUDING MICE AND FRUIT FLY,
DROSOPHILA MELANOGASTER, IN MAGNETIC FIELDS OF
140,000 OERSTEDS A65-80425
MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA
MELANOGASTER, AND S-37 MOUSE TUMOR CELLS
A65-80462
APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA
DURING EXPOSURE TO VIBRATION, ACCELERATION AND
GAMMA-RADIATION A65-82077
SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490
COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039
X-RADIATION EXPOSURE OF DROSOPHILA MELANOGASTER
EGGS
REPT.-3521 N65-36707
- DRUG
SA ADRENERGICS
SA ALKALOID
SA AMINOPHYLLINE
SA AMMONIUM CHLORIDE
SA ANESTHETICS
SA ANTIADRENERGICS
SA ANTIBACTERIALS
SA ANTIBIOTICS
SA ANTIRADIATION DRUG
SA CENTRAL NERVOUS SYSTEM DEPRESSANT
SA CENTRAL NERVOUS SYSTEM STIMULANT
SA DIMERCAPROL
SA DOSAGE
SA HEPARIN
SA HEXAMETHONIUM
SA MOTION SICKNESS DRUG
SA PHARMACOLOGY
SA SODIUM AMYTAL
SA TRANQUILIZER
BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF
THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING
GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC
A65-29067
EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON
IMPROVING RAPIDITY AND REGULARITY OF MOTOR
RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN
AVIATION PERSONNEL A65-32793
PHARMACEUTICALS AND ADMINISTRATIVE MEANS FOR
EFFECTING PERFORMANCE CHANGES IN ASTRONAUTS UNDER
FLIGHT STRESSES A65-33278
WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED
MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION
COUNTERACTED BY VARIOUS DRUGS A65-33279
ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN
MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL
ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
A65-80049
RETINITIS FROM OVEREXPOSURE TO SOLAR
ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT
A65-80267
DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON
PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE
AND CHLORAL HYDRATE WITH YOUNG ADULT MALE
A65-80448
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809
DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL A65-80896
ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS A65-81176
TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING
AND DRUGS A65-81186
EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT
ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS
A65-81202
PROBLEM OF SLEEP DURING NIGHT FLYING- VIGILANCE,
ACCIDENTS AND DRUGS A65-81446
EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL,
CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING
CYCLE A65-81467
PHARMACOLOGICAL SUPPORT BY USING DRUGS FOR MAN ON
LONG SPACE FLIGHTS A65-81630
BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065
USE OF DRUGS TO INCREASE BODILY RESISTANCE TO
FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654
INDOLE AND HYDRAZINE DRUG DERIVATIVES TO INCREASE

- RESISTANCE TO OXYGEN DEFICIENCY
N65-13669
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM
OF ANIMALS - NEUROPHYSIOLOGY
JPRS-28419 N65-15045
- LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM
SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL
ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS
NASA-CR-60273 N65-15187
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING,
NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE
FAA-AM-64-16 N65-15308
- METHODS OF EVALUATING ANALGESIC EFFECT OF DRUGS
FTD-TT-64-55/162 N65-19187
- SURVEY OF DRUGS FOR PROTECTION FROM IONIZING
RADIATION N65-20138
- TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS
IN X-RAY PROTECTION STUDY
UCLA-12-547 N65-21538
- ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND
DRUG ACTION ON BRAIN, LOCALIZATION OF
CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND
MODELING FUNCTIONS OF NERVOUS SYSTEM
JPRS-30007 N65-24230
- PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD
STRESS FOR INTERPRETATION OF DIFFERENCES IN
ACTION OF THERAPEUTIC DRUGS AT VARIOUS
ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20 N65-25254
- REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY
REACTION OF SULFUR IN SATAL DRUG CONTAINING
GARLIC AND LEAD POWDER
JPRS-30863 N65-27037
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS N65-34776
- DRY HEAT
DRY HEAT STERILIZATION OF NATURALLY CONTAMINATED
METAL SURFACES
NASA-CR-52899 N65-17290
- STERILIZATION OF SPACE PROBES USING DRY HEAT
NASA-CR-60875 N65-17509
- DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP
STERILIZATION SYSTEM IN TREATMENT OF COMPONENT
CONTAMINATION OF SPACECRAFT
NASA-CR-191 N65-18205
- DRY HEAT STERILIZATION OF MICROORGANISMS ON GLASS
SURFACES AT 100 DEG C
NASA-CR-63665 N65-27517
- DUMMY
THERMAL MANIKIN FOR SIMULATION OF ASTRONAUT
THERMOREGULATION SYSTEM AND SPACE SUIT DESIGN
A65-81388
- DYE
SA METHYLENE BLUE
- ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029
- HEALTH HAZARDS OF SMOKE DYES IN CURRENT USE
PA-TM-1674 N65-34680
- DYNA-SOAR SPACE GLIDER
S X-20 AIRCRAFT
- DYNAMIC CONTROL
REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS
- NASA-CR-64641 N65-33251
- DYNAMIC MODEL
DYNAMIC MODEL TECHNIQUE FOR ANALYSIS OF HUMAN
TOLERANCE TO ACCELERATION
NASA-TN-D-2645 N65-19903
- RESTRICTIONS ON DIFFERENTIAL EQUATIONS NECESSARY
TO USE DYNAMIC MODELING TO DESCRIBE BIOLOGICAL
SYSTEMS
JPRS-31663 N65-31712
- DYNAMIC PROPERTY
DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS N65-23364
- DYNAMIC RESPONSE
STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE -
AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL,
CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS,
AND BEHAVIORAL ORGANIZATION
NASA-CR-219 N65-23813
- DYNAMICS
SA BIODYNAMICS
SA KINEMATICS
SA KINETICS
- PHYSICAL AND PSYCHIC EFFORTS OF HUMAN OPERATORS
IN ADAPTIVE OPTIMIZATION OF DYNAMIC SYSTEMS
N65-17645
- BIAXIAL MIXED-DYNAMICS TRACKING TASK - MANUAL
CONTROL SYSTEMS
NASA-CR-62251 N65-21766
- DYNAMOMETER
VARIATIONS IN STRENGTH OF MUSCLES DURING MOVEMENT
USING DYNAMOMETER MEASURING DEVICE
NASA-TT-F-9339 N65-27676

E

EAR

- SA ARTIFICIAL EAR
SA AUDITORY PERCEPTION
SA AUDITORY SENSATION AREA
SA MIDDLE EAR
SA VESTIBULAR APPARATUS
- BAROSCOPIC TRAUMA OF EAR WITH REFERENCE TO
MECHANISM, CLINICAL SYMPTOMS AND TREATMENT
A65-21241
- SENSORY HAIR STRUCTURE LOCATED IN GRAVITY
RECEPTORS IN UTRICLE AND SACCULE OF SQUIRREL
MONKEY AND GUINEA PIG
A65-25239
- CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF
CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE
AND FLUID SPACES
A65-25646
- FUNCTIONAL ANATOMY AND MORPHOLOGICAL FEATURES OF
VESTIBULAR AND LATERAL LINE ORGANS OF EQUILIBRIUM,
NOTING HAIR CELL
A65-25647
- EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE
COMMUNICATION IN MANNED DEEP SPACE FLIGHT
A65-80528
- PHYSICS OF EAR AND HEARING
A65-81164
- MECHANISM OF BLAST INJURY TO EAR
A65-81201
- SOUND DIFFRACTION MEASUREMENT IN VICINITY OF HUMAN
EAR FOR POSITIONING MICROPHONE
A65-81349
- RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE
EAR, AND INNER EAR TO BONE CONDUCTION IN CATS
A65-82129

- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION A65-82269
- EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION
OF LOCATION AFOSR-64-0938 N65-11157
- MECHANISM AND PROBLEMS OF BINAURAL INTERACTION -
ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY TRACOR-64-199-U N65-15031
- LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR
OPPOSITE TO NOISE-ADAPTED EAR TR-24 N65-19521
- ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF
SQUIRREL MONKEY INNER EAR NASA-CR-57931 N65-21338
- DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX AMRL-TR-64-134 N65-21398
- AUDITORY PERCEPTION - ENERGY TRANSFORMATIONS
WITHIN INNER EAR AFOSR-65-0040 N65-28205
- EAR PROTECTOR**
- AUDITORY THRESHOLD IN RECRUITS BEFORE AND AFTER
FIRING WEAPONS AS RELATED TO USE OF EAR PROTECTORS A65-80172
- HEARING-LOSS TREND CURVES AND DAMAGE-RISK
CRITERION IN DIESEL-ENGINE ROOM PERSONNEL A65-80882
- EAR PROTECTORS - USEFULNESS AND LIMITATIONS
WITH VARIOUS NOISES A65-81109
- TESTING AND EVALUATING HEARING PROTECTORS A65-81130
- PERSONAL EAR PROTECTION IN NOISE EXPOSURE A65-81345
- HEARING PROTECTION METHODS IN NETHERLANDS AIR
FORCE A65-82054
- RESONANCE FREQUENCIES OF THE HUMAN SKULL -
AUDIOMETRIC EFFECTS AND PROTECTION A65-82143
- NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING
LAUNCHING AD-460990 N65-34383
- EARDRUM**
- PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH
G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE
OXYGEN A65-80034
- EARLY WARNING SYSTEM**
- MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388
- EARTH**
- SA GROUND**
- ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL
BODIES INCLUDING EVIDENCE FOR AND AGAINST
BIOGENESIS AND ABIOGENESIS A65-80097
- MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL
BODIES AND STRESSES ENCOUNTERED BY MAN DURING
SPACE TRAVEL A65-80949
- LIFE FORMS ON OTHER PLANETS PROBABLY SIMILAR TO
THOSE ON EARTH A65-81219
- EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO
- EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION
DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE
SYSTEMS A65-81851
- JUSTIFICATION FOR DESIGNING LIFE DETECTION
EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON
KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS
OF BIOLOGICAL MATERIAL A65-82217
- FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL
METEORITE **ORGANIZED ELEMENTS** WITH
MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR
ORGANISMS OF EARTH ORIGIN A65-82366
- BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000 N65-19834
- EARTH ATMOSPHERE**
- SA LOWER ATMOSPHERE**
- SA TROPOSPHERE**
- EVOLUTION OF THE ATMOSPHERES OF THE EARTH AND
PLANETS A65-80370
- THERMAL SYNTHESIS OF AMINO ACIDS FROM
HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE
A65-80475
- CHEMICAL EVOLUTION OF TERRESTRIAL AND CYTHEREAN
ATMOSPHERES A65-80890
- EFFECT OF EVOLUTION OF EARTH ATMOSPHERE ON
PRESENCE OF BIOSPHERE ON EARTH A65-81451
- EARTH CORE**
- EVOLUTION OF LIFE IN RELATION TO DEVELOPMENT OF
EARTH CORE A65-81234
- EARTH-MOON TRAJECTORY**
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098
- EARTH ORBIT**
- INSTRUMENTAL METHODS OF INVESTIGATION AND
OBSERVATIONS OF SPACECRAFT DURING EARTH ORBIT
JPRS-29521 N65-20834
- EARTH SURFACE**
- INTERSTELLAR MATTER DEPOSITED ON EARTH SURFACE
AS RELATED TO PLANT AND ANIMAL LIFE A65-81967
- TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC
PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR
EARTH SURFACE N65-23992
- ECOLOGICAL SYSTEM**
- SA CLOSED ECOLOGICAL SYSTEM**
- BIOECOLOGICAL AND BIOMEDICAL MONITORING FOR DESIGN
OF HEALTH SURVEILLANCE SYSTEMS FOR ASTRONAUTS IN
SPACE A65-26746
- EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGRAPHY WITH CARBON 14 A65-31725
- LIMITING FACTORS IN PHOTOSYNTHETIC YIELD IN ALGAE
GROWN UNDER NATURAL ECOLOGICAL CONDITIONS A65-80377
- PROBLEMS IN SPACE ECOLOGICAL PHYSIOLOGY
NASA-TT-F-9545 N65-33958
- IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT -
LIFE SUPPORT SYSTEMS N65-34620
- ECOLOGY**
- ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR
AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE
CONDITIONS A65-29945
- ALGAE AND MAN - ECOLOGICAL, MEDICAL, BIOLOGICAL,
AND INDUSTRIAL ASPECTS A65-80374

SUBJECT INDEX

ELECTRIC CONDUCTIVITY

- HUMAN HEALTH AND DISEASE AS RELATED TO ENVIRONMENT A65-80956
- ALGAL CULTURE TECHNIQUE AND PHYTOPLANKTON ECOLOGY A65-81163
- EFFECTS FROM CHRONIC EXPOSURE TO LOW LEVEL IONIZING RADIATION ON DESERT ECOLOGICAL SYSTEM UCLA-12-532 N65-10313
- AERODECOLOGICAL STUDY OF ALBATROSS FLIGHT N65-12528
- NEUROPHYSIOLOGY AND ECOLOGY - PROBLEMS IN CYBERNETICS JPRS-27792 N65-14578
- RELATION OF LIVING ORGANISMS AND INERT MATTER WITHIN BIOSPHERE - ECOLOGY N65-14580
- ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND ALGAE SYSTEMS P-3009 N65-16517
- STATUS OF INTRODUCED PLANT SPECIES AT NEVADA NUCLEAR TEST SITE - ECOLOGY UCLA-12-554 N65-24228
- BIOLOGICAL EFFECTS OF SPACE TRAVEL AND ENVIRONMENT N65-26228
- ECOPHYSIOLOGY - BIOLOGICAL RESPONSE TO SPACE ENVIRONMENT AND TRAVEL N65-26229
- ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS - MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING SOLIDS TO SMALL PARTICLES NASA-CR-64834 N65-33537
- POTENTIAL APPLICATIONS OF REMOTE SENSING TO ECOLOGY RESEARCH N65-33589
- ECONOMICS
CYBERNETIC PRINCIPLES IN EDUCATION AND ECONOMICS JPRS-31238 N65-30278
- EDEMA
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH PURE OXYGEN AND VARIOUS DRUGS A65-80809
HIGH-ALTITUDE PULMONARY EDEMA IN MOUNTAIN INHABITANTS - CLINICAL STUDY A65-81591
ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY DISEASE NASA-TT-F-9247 N65-16304
STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL CEREBRAL EDEMA IN MONKEYS SAM-TDR-64-56 N65-22075
INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND EDEMA IN MONKEYS SAM-TDR-64-18 N65-30745
- EDUCATION
ENGINEERS ROLE IN REGARD TO BIOLOGICAL SCIENCES, NOTING TREND IN EDUCATION A65-33501
CLINICAL ASPECTS OF AEROSPACE NURSING AND EDUCATIONAL REQUIREMENTS OF NURSES A65-81374
ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND EDUCATION SYSTEMS AMRL-TR-64-89 N65-11082
NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION, PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223
CYBERNETIC PRINCIPLES IN EDUCATION AND ECONOMICS JPRS-31238 N65-30278
- EEG
S ELECTROENCEPHALOGRAM /EEG/
- EFFECT
S BIOLOGICAL EFFECT
S CERENKOV EFFECT
S CHEMICAL EFFECT
S CORIOLIS EFFECT
S GEOMAGNETIC EFFECT
S GRAVITATIONAL EFFECT
S HEAT EFFECT
S LONG PERIOD EFFECT
S MAGNETIC EFFECT
S NUCLEAR EFFECT
S PATHOLOGICAL EFFECT
S PRESSURE EFFECT
S PSYCHOLOGICAL EFFECT
S RADIATION EFFECT
S TEMPERATURE EFFECT
S THERMAL EFFECT
S VACUUM EFFECT
S VESTIBULAR EFFECT
S VIBRATION EFFECT
- EGG
S EMBRYO
- EJECTION INJURY
PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED BY EJECTION A65-80876
STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY FROM 1951-1963 A65-80918
POSTURE, TOWER TRAINING, AND AGE OF FLYING PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF SPINE DURING EJECTION A65-82125
VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED BIBLIOGRAPHY ON EJECTION-RELATED INJURIES TI-65-041 N65-28352
- EJECTION SEAT
HIGH SPEED AND HIGH ALTITUDE AIRCRAFT ESCAPE BY EJECTION SEAT - AERODYNAMIC FORCE AND RAREFACTION EFFECTS FTD-TT-65-260/1&2 N65-22447
RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT FOR F-106 JET AIRCRAFT N65-29761
- ELASTIC STRENGTH
THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED FROM THORACIC CIRCUMFERENCE, INTRATHORACIC PRESSURE AND PULMONARY VOLUME RELATIONSHIPS A65-23231
- ELASTICITY
ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG EXTRACTS AND LUNG MECHANICS. A65-82157
- ELECTRIC ANALOGY
ELECTRICAL MODEL OF HUMAN HEART, USING FOUR CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE POTENTIALS A65-10735
DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING SYSTEMS USING ELECTRICAL ANALOG A65-36822
- ELECTRIC APPLIANCE
NEW PORTABLE ELECTRIC DEVICE FOR REGISTERING TOTAL TIME OF INDIVIDUAL EXPOSURE TO SELECTED LEVEL OF NOISE A65-80994
- ELECTRIC CONDUCTIVITY
SA RESISTANCE
PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE ELECTRIC CONDUCTIVITY JPRS-28782 N65-17025
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL CONDUCTIVITY OF SOLID STATE PROTEINS AD-614440 N65-25850
POSSIBLE MECHANISM OF ELECTRICAL ASSYMETRY OF TISSUES JPRS-30634 N65-26128

ELECTRIC CURRENT

SA DIRECT CURRENT /DC/

ELECTROENCEPHALOGRAPH AS TOOL FOR DETERMINING WHICH CURRENT PRODUCES EFFECTIVE ANESTHESIA

A65-10737

ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS METHODS AND THEIR USE ON DOGS AND HUMANS

JPRS-29435 N65-20835

INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS

NASA-TT-F-9546 N65-32754

ELECTRIC DIPOLE

BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART

N65-16615

ELECTRIC DISCHARGE

SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR NUCLEUS OF ANESTHETIZED CATS

A65-32938

ELECTROMYOGRAPH FOR RECORDING OF ELECTRICAL MUSCLE DISCHARGE

N65-15720

ELECTRIC ENERGY

ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS RELATED TO NUTRITION AND WASTE

N65-18602

ELECTRIC FIELD

BIO-LIKE STRUCTURES FORMED IN DISTILLED WATER AND ON AGAR GEL IN ELECTRIC FIELD

NASA-TT-F-9239 N65-15057

ELECTROPHORESIS - DISPLACEMENT OF PARTICLES IN COARSE SUSPENSIONS UNDER INFLUENCE OF EXTERNAL ELECTRIC FIELD

N65-15722

ELECTRIC IMPEDANCE

BLOOD DISPLACEMENT UNDER G FORCES APPLIED LONGITUDINALLY TO HUMAN BODY MEASURED, USING ELECTRIC IMPEDANCE CHANGES IN LOWER EXTREMITIES

A65-26417

IMPEDANCE PNEUMOGRAPHY AS USEFUL ALTHOUGH INDIRECT TECHNIQUE FOR RESPIRATORY VOLUME AND RATE MEASUREMENT

A65-34476

ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR CARDIAC CYCLE OUTPUT OBSERVATION

N65-16607

ELECTRIC MEASUREMENT

ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN TRAPEZOID NUCLEUS OF RABBIT MEDULLA

N65-23373

ELECTRICAL PARAMETERS MEASURED FOR DETERMINING INFLUENCE OF IONIZING RADIATION ON SUBMICROSCOPIC STRUCTURE OF STRIATED FROG MUSCLES

N65-26382

TOPOLOGICAL ASPECTS OF DATA PROCESSING RELATED TO ELECTRICAL ACTIVITY OF BRAIN

N65-28754

ELECTRIC POTENTIAL

SA BIOELECTRIC POTENTIAL

TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL POSITION

A65-24779

EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR APPARATUS ON ELECTRIC POTENTIAL OF STOMACH

N65-13769

BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE - STUDY OF ELECTRODE MATERIALS AND LOCUS IN VARIOUS LABORATORY ANIMALS

NASA-CR-60955 N65-17947

ELECTRIC PROPERTY

SA CAPACITANCE
SA IMPEDANCE
SA RESISTANCE

EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS

JPRS-31013 N65-28142

ELECTRIC RESISTANCE

RESISTANCE CHANGES IN HUMAN BODY, PARTICULARLY IN LOWER EXTREMITIES AS RESULT OF G LOADS

A65-81112

SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT, NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED BIOLOGICAL STUDIES

JPRS-29112 N65-20132

ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE OF IRRADIATED ANIMALS - ANIMAL STUDY

N65-20133

ELECTRIC STIMULUS

BRAIN MATURATION CORRELATION WITH ALTITUDE ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK SEIZURES IN RATS

A65-16782

COMPARISON OF SELECTED FEATURES OF ELECTRIC RESPONSES RECORDED FROM UNITS IN AUDITORY NERVE AND COCHLEAR NUCLEUS

A65-31724

HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM FOOT SHOCKS

A65-36099

HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND MONKEY CAUSED BY ELECTRIC STIMULATION OF SEMICIRCULAR CANAL NERVE

A65-80156

ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT /STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT /ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING HIGH ALTITUDE ACCLIMATIZATION

A65-80225

VISUAL OBSERVATION AND FACTOR ANALYSIS OF OBJECTIVE ELECTRICAL VESTIBULOGRAMS

A65-80261

ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN VISUAL CENTERS OF CEREBRAL CORTEX IN CATS

A65-80652

RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF AIRWAY SMOOTH MUSCLE

A65-80667

COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC STIMULATION TRANSMITTED BY THALAMUS NUCLEUS

A65-80720

HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC CURRENT

A65-80748

RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT NERVES

A65-81024

DC RESTING POTENTIALS OF CAT AS AFFECTED BY ELECTRIC AND THERMIC STIMULATION OF EFFERENT VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE

A65-81379

TRANSCALLOSAL, EXTRACALLOSAL, AND GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC SHOCK DURING SLEEP AND WAKEFULNESS

A65-81380

CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC NERVES

A65-81847

MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL THREAT STRESS AS RELATED TO COLOR DISCRIMINATION PERFORMANCE

A65-82118

NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF Diencephalic centers and to rotatory stimulation of vestibular receptors in rabbit

A65-82139

ELECTRIC STIMULATION OF VESTIBULAR EFFERENT SYSTEM AS RELATED TO NERVE ACTIVITY AND DC RESTING

SUBJECT INDEX

ELECTROCARDIOGRAM

- POTENTIAL A65-82140 A65-80764
- CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS AFFECTED BY ELECTRIC STIMULATION. A65-82141
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC CENTERS IN RABBITS WITH INJURY AND ELECTRIC STIMULATION A65-82354
- RATE OF NYSTAGMIC FAST COMPONENT PRODUCED BY RHYTHMIC ELECTRICAL STIMULATION OF AMPULLAR RECEPTOR N65-20140
- TRANSDERMAL HEARING SYSTEM USING MODULATED ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND PERCEPTION ER-0038 N65-20959
- TELESTIMULATOR SYSTEMS FOR OBSERVATION OF PHYSIOLOGICAL RESPONSES OF SUBJECTS RECEIVING ELECTRIC STIMULATION OF BRAIN N65-34005
- ELECTRIC RESPONSE REACTIONS TO STIMULATION OF OPALINA RANARUM N65-35154
- ELECTRICITY
- SA BIOELECTRICITY
- SA GEOELECTRICITY
- TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED SLEEP WITH ELECTRICITY JPRS-31347 N65-30711
- ELECTROCARDIOGRAM
- MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL PHENOMENA IN CARDIAC TISSUE A65-10724
- NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND AUSCULTATORY METHODS A65-10726
- ELECTRICAL MODEL OF HUMAN HEART, USING FOUR CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE POTENTIALS A65-10735
- FETAL CARDIAC ELECTRICAL AXIS OF VENTRICULAR ACTIVITY BASED ON ELECTROCARDIOGRAMS A65-10736
- ACCELERATION STRESS EFFECTS ON RATS HEART RATE, USING ELECTROCARDIOGRAMS A65-10745
- PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF CLINICAL CORONARY ARTERY DISEASE A65-22904
- ELECTROCARDIOGRAPHIC ALTERATIONS IN CASES OF ACUTE CARBON MONOXIDE POISONING A65-80289
- BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS, AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE MYOCARDIAL INFRACTION A65-80588
- TELEMETRIC TECHNIQUE FOR RECORDING ELECTROCARDIOGRAM IN RACE HORSE A65-80609
- EFFECT OF BODY BUILD ON QRS VOLTAGE OF ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY A65-80632
- ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION A65-80662
- RELATIONSHIP BETWEEN DURATION OF CARDIAC CYCLE AND VENTRICULAR EXCITATION TIME IN NORMAL SUBJECTS AS COMPUTED BY WALLER-BAZETT EQUATION
- DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS A65-81051
- PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND RESPIRATORY DATA A65-81056
- EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM 8,000 TO 45,000 FEET A65-81072
- SIGNIFICANCE OF ELECTROCARDIOGRAPHIC PATTERN FOR ASSESSMENT OF DEGREE AND TYPE OF LEFT VENTRICULAR HYPERTROPHY CORRELATION OF HEMODYNAMIC STATE TO ELECTROCARDIOGRAM AT REST AND DURING WORK A65-81108
- CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC GROUND SQUIRREL AND RAT A65-81173
- COMPARISON OF ELECTROCARDIOGRAMS OF SUBJECTS PERFORMING WORK AND TRAINED ATHLETES A65-81257
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD PRESSURE, ELECTROCARDIOGRAM, AND ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283
- ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING MUSCULAR WORK IN NORMAL MEN A65-81400
- ELECTROCARDIOGRAMS OF PILOT WITH ARTERIOVENTRICULAR BLOCK TAKEN DURING PHYSICAL EXAMINATIONS OVER TWENTY-YEAR PERIOD A65-81772
- ELECTROCARDIOGRAM QRS COMPLEX ELECTRICAL AXIS AS AFFECTED BY POSTURE AND GASTRIC DILATION A65-82101
- EVOKED NON-SPECIFIC RESPONSES OF SENSORY-MOTOR CEREBRAL CORTEX TO NONDIFFERENTIATED AND UNCONDITIONED STIMULI IN MAN A65-82205
- EVALUATION OF EXERCISE ELECTROCARDIOGRAM FOR NORMAL RANGE BASED ON DATA FROM HEALTHY MEN A65-82211
- DIURNAL VARIATIONS IN ELECTROCARDIOGRAM OF MAN ON BED REST WHILE FASTING A65-82213
- ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS LIVING AT HIGH ALTITUDE A65-82252
- ELECTROCARDIOGRAM AND ISCHEMIC HEART DISEASE IN AIRCRAFT PILOT SELECTION AND AIRCRAFT ACCIDENTS A65-82351
- ANALOG COMPUTER AS AREA INTEGRATOR FOR ELECTROCARDIOGRAM REPT.-1 N65-10218
- VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC ACTIVITY DUE TO HYPOXIA N65-13629
- ELECTROCARDIOGRAM CHANGES IN FLIGHT PERSONNEL AFTER PROLONGED NONSTOP FLIGHTS IN TURBOPROP AIRCRAFT N65-13725
- ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO ALTITUDE FACTORS N65-13751
- COMPUTER CALCULATIONS FOR INTERPRETATION OF ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS FROM EXERCISE TESTS ON AVIATORS REPT.-3 N65-15277
- RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND MAGNETOCARDIOGRAM N65-16604
- ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR N65-16606
- RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL

ELECTROCARDIOGRAPHY

SUBJECT INDEX

- ACCELERATION STRESS N65-16629
- RACER ELECTROCARDIOGRAM UNDER NORMAL CONDITIONS AND IN HYPOXIA N65-17755
- EFFECT OF ASPHYXIA ON ELECTROCARDIOGRAM OF PUPPIES AND KITTENS OF DIFFERENT AGES JPRS-30297 N65-24691
- COMPUTER PROGRAMMING TECHNIQUES TO MONITOR FETUS DURING LABOR AND DELIVERY USING FETAL ELECTROCARDIOGRAMS N65-28753
- DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE NASA-TT-F-264 N65-34507
- ELECTROCARDIOGRAPHY**
- EKG INVESTIGATION OF RIGHT INTRAVENTRICULAR CONDUCTION IN FLIGHT CADETS IN ACUTE ANOXIC ANOXIA A65-20986
- LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER, SILVER CHLORIDE AND NONIRRITATING PASTE A65-21947
- BIOMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION, NOTING EKG AND EEG APPLICATION A65-24203
- EKG AND BLOOD PRESSURE STUDIES IN MILITARY JET PILOTS BEFORE AND AFTER FLIGHT A65-30139
- BIOINSTRUMENTATION DEVELOPMENT FOR MONITORING PHYSIOLOGICAL DATA IN HIGH PERFORMANCE AIRCRAFT A65-36047
- CONTINUOUS RECORDING OF HEART RATE BY MEANS OF PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH A65-80008
- OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH AND XENON FLASH UNIT A65-80782
- BIOTELEMETRY IN MEDICINE - DESCRIPTION OF NEW TELEMETERED ELECTROCARDIOGRAPH A65-80840
- SIMPLIFIED TECHNIQUE FOR OFFICE EXERCISE ELECTROCARDIOGRAPHY A65-82102
- ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING ACTION OF HYDRAZINE DERIVATIVES N65-17747
- TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY AND RADIOPROBE FOR DETECTING FOREIGN BODIES JPRS-29954 N65-23446
- TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY N65-23447
- MODIFIED TWO CHANNEL, INK SCRIBING ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT FOR RECORDING ELECTRO-OSCILLOGRAMS N65-25673
- CORRELATION OF ELECTRIC AND MECHANICAL ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW MEMBERS N65-36105
- ELECTROCHEMICAL CELL**
- OXYGEN REGENERATION FROM SOLID ELECTROLYTIC REDUCTION OF CARBON DIOXIDE FOR SPACE CABIN ATMOSPHERE AICE PREPRINT 47D A65-15346
- HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS USING HYDROGEN DIFFUSION CATHODE TO REMEDY CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES AICE PREPRINT 47F A65-15394
- ELECTROCHEMICAL CONCENTRATION OF CARBON DIOXIDE FROM CLOSED ATMOSPHERE BY CARBONATION CELL TRANSFER OF GAS IONS BETWEEN ELECTRODES
- AICE PREPRINT 54F A65-15396
- ELECTROCHEMICAL ACTIVITY OF HUMAN BRAIN AT CELLULAR LEVEL - MEMORY JPRS-30676 N65-25872
- ELECTROCHEMICAL CORROSION**
- CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL PROCESS IN ANAEROBIC SOIL FD3-3957/T-166-/ N65-32693
- ELECTROGHEMISTRY**
- ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE AND FECES A65-21695
- ELECTROCUTANEOUS COMMUNICATION**
- INTENSE NOISE EFFECTS ON PROCESSING OF CUTANEOUS INFORMATION OF VARYING COMPLEXITY A65-81558
- TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS ON CUTANEOUS INFORMATION PROCESSING A65-81645
- ELECTRODE**
- LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER, SILVER CHLORIDE AND NONIRRITATING PASTE A65-21947
- ELECTRODE SIZE AND TISSUE OXYGEN TENSION MEASUREMENT IN RATS EXPOSED TO AIR OR HIGH PRESSURE OXYGEN A65-81147
- SIMPLE MICROMANIPULATOR FOR INSERTION OF ELECTRODES INTO BRAIN OF EXPERIMENTAL ANIMALS A65-81279
- ADVANTAGE OF ONE-LEAD ELECTROMYOGRAM AS DEMONSTRATED IN MAN AND FROG A65-81880
- OXYGEN TENSION MEASUREMENT TECHNIQUES BY DIRECT INTRODUCTION OF ELECTRODES INTO TISSUES IN RAT A65-81996
- BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE - STUDY OF ELECTRODE MATERIALS AND LOCUS IN VARIOUS LABORATORY ANIMALS NASA-CR-60955 N65-17947
- IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE OXYGEN TENSION JPRS-30818 N65-27028
- ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT MONITORING SAM-TR-65-18 N65-34266
- ELECTRODERMAL RESPONSE**
- GALVANIC SKIN RESPONSE - THEORETICAL CONSIDERATION OF SKIN RESISTANCE AND SKIN CONDUCTANCE RELATED TO SWEAT GLAND A65-80005
- CHANGE IN ELECTROENCEPHALOGRAM AND SKIN GALVANIC RESPONSE IN COURSE OF TEMPORARY CONNECTION FORMATION BETWEEN MOTOR AND VISUAL ANALYSERS IN MAN DURING PHOTIC AND PROPRIOCEPTIVE STIMULATION A65-80103
- DISINHIBITION IN GALVANIC SKIN RESPONSE CONDITIONING AS FUNCTION OF NUMBER OF TRIALS AND TEMPORAL LOCATION OF NOVEL STIMULUS A65-80241
- AUTONOMIC CORRELATES OF ELECTRICAL EXCITABILITY OF EYE A65-80250
- PURSUIT TRACKING PERFORMANCE AND ACTIVATION LEVEL AS FUNCTION OF INTERMITTENT VISUAL INPUT DISRUPTION, FLICKER RATE, AND WORK TIME A65-80256
- GALVANIC SKIN RESPONSE OF DRIVERS AND RISK OF ACCIDENTS A65-80347
- ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT A65-80520

SUBJECT INDEX

ELECTROENCEPHALOGRAPH / EEG/

- ELECTRODERMOGRAM DURING SLEEP RELATED TO APPEARANCE OF RAPID EYE MOVEMENTS A65-80571
- GALVANIC SKIN RESPONSE EVOKED BY VERBAL COMMAND A65-80829
- AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL RESPONSE AND VOLUNTARY RESPONSES A65-81121
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD PRESSURE, ELECTROCARDIOGRAM, AND ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283
- ELECTRODERMAL RESPONSE DURING SLEEP AND WAKEFULNESS IN MAN A65-81496
- SKIN-CONDUCTANCE, ALPHA-ACTIVITY, AND VIGILANCE A65-81582
- CONSISTENCY AND TEST - RETEST RELIABILITY OF SPONTANEOUS AUTONOMIC NERVOUS SYSTEM ACTIVITY /ELECTRODERMAL RESPONSE/ AND EYE MOVEMENT A65-81658
- HUMAN ECCRINE SWEAT GLAND ACTIVITY AND PALMAR ELECTRICAL SKIN RESISTANCE A65-81911
- ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE WITH CIRCULATORY DISTURBANCES INFLUENCED BY BEDREST AND EXERCISE A65-82214
- HUMAN ELECTROENCEPHALOGRAPH AND ELECTRODERMAL RESPONSE CHANGES WITH TEMPORARY CONNECTION BETWEEN MOTOR AND VISUAL ANALYZERS IN RINESTHETIC AND PHOTIC STIMULATION PAIRING FTD-TT-65-434/1&2 N65-30015
- CARDIOVASCULAR AND PSYCHOGALVANIC SKIN RESPONSE MONITORING DEVICES - ELECTRONIC MICROINSTRUMENTATION IN DENTISTRY SAM-TR-64-90 N65-30496
- ELECTROENCEPHALOGRAPH / EEG/
SPECTRAL ANALYSIS OF BRAIN WAVE GENERATORS AS MULTIPLE STATISTICAL TIME SERIES A65-21484
- CHANGE IN ELECTROENCEPHALOGRAPH AND SKIN GALVANIC RESPONSE IN COURSE OF TEMPORARY CONNECTION FORMATION BETWEEN MOTOR AND VISUAL ANALYSERS IN MAN DURING PHOTIC AND PROPRIOCEPTIVE STIMULATION A65-80103
- MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING RELATED TO EYE MOVEMENT RECORDED ON ELECTROENCEPHALOGRAPH A65-80157
- ELECTROENCEPHALOGRAPH CHANGES IN CHEMICAL FACTORY WORKERS FOLLOWING CARBON DISULFIDE POISONING AS RELATED TO TIME SINCE LAST EXPOSURE AND AGE A65-80229
- PRIMARY CORTICAL RESPONSE OF SOMATOSENSORY AREA IN RATS DURING PROLONGED HYPOXIA A65-80232
- ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL POTENTIALS IN MAN AS INDICATORS OF ACTIVATION LEVEL A65-80260
- ELECTROENCEPHALOGRAPHIC CHANGES IN MICE IN WAKE-SLEEP CYCLE A65-80329
- BODY TEMPERATURE CHANGES AND EFFECT ON THETA RHYTHM IN RAT HIPPOCAMPUS A65-80330
- PHYSIOLOGICAL AND METABOLIC RESPONSE TO HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS A65-80407
- HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX IN RABBITS A65-80441
- POSSIBLE INJURY FROM UHF ELECTROMAGNETIC FIELD ON ELECTROENCEPHALOGRAPH OF CORTEX IN RABBITS A65-80442
- HYPOXIC EFFECT ON HUMAN ELECTROENCEPHALOGRAPH AT SIMULATED HIGH ALTITUDE A65-80550
- AUDITORY EVOKED RESPONSES AND ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX A65-80641
- ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN VISUAL CENTERS OF CEREBRAL CORTEX IN CATS A65-80652
- ELECTROGRAPHIC STUDY OF VOLUNTARY MOVEMENTS IN MAN A65-80697
- CORRELATION OF SPECIFIC AND NONSPECIFIC RESPONSES TO LIGHT REVEALED IN HUMAN ELECTROENCEPHALOGRAPH A65-80698
- CHARACTERISTICS OF EVOKED POTENTIALS DURING EXTINCTION OF ORIENTING RESPONSE IN DOGS A65-80700
- INTERACTION BETWEEN EVOKED POTENTIAL AND BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL CORTEX A65-80702
- INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY AUDITORY AND VISUAL STIMULI IN RABBITS A65-80703
- CHANGES IN CEREBRAL POTENTIALS EVOKED BY COMBINED STIMULI OF TWO MODALITIES A65-80711
- EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF CEREBRAL CORTEX IN RABBIT A65-80713
- HYPERCAPNIC EFFECT ON HEART BLOOD SUPPLY UNDER EXPERIMENTAL CONDITIONS IN DOGS A65-80716
- ELECTROENCEPHALOGRAPHIC RESPONSE DURING STIMULATION WITH FLICKERING LIGHT IN HUMANS A65-80772
- INFLUENCE OF VISUAL AND AUDITORY STIMULI ON ELECTROENCEPHALOGRAPH OF CAT AND MAN A65-80776
- INFLUENCE OF ATTENTION AND SUPPRESSION ON FLICKER ELECTRORETINOGRAM AS RELATED TO FLICKERING RESPONSE OF OCCIPITAL ELECTROENCEPHALOGRAPH A65-80781
- ELECTROENCEPHALOGRAPHIC CHANGES IN PERSONS ISOLATED FOR LONG PERIODS OF TIME A65-80858
- SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI A65-80870
- ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963 A65-80875
- BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN RETICULAR SYSTEM A65-80877
- ELECTROENCEPHALOGRAPH CHANGES AND AUDITORY AND VISUAL REACTION TIMES AFTER LIVING IN DESERT A65-80965
- DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS A65-81051
- ELECTROENCEPHALOGRAPHIC CHANGES DURING HYPERVENTILATION IN MAN A65-81080
- PARADOXICAL SLEEP AND RELATION TO DEPRIVATION IN

- CAT A65-81157
- ELECTROENCEPHALOGRAPHIC CHANGES DURING INDUCED HYPERVENTILATION IN PILOTS A65-81165
- CLINICAL APPLICATION OF TELEMETERING METHOD OF PHYSIOLOGICAL DATA A65-81193
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD PRESSURE, ELECTROCARDIOGRAM, AND ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283
- EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAPH A65-81353
- ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN MONKEYS OF DIFFERENT AGES IN RESPONSE TO RHYTHMICAL LIGHT FLASHES A65-81354
- ELECTROENCEPHALOGRAPHIC ACTIVITY OF FRONTAL CORTEX, DORSAL HIPPOCAMPUS, AND MESENCEPHALIC RETICULAR FORMATION OF RAT DURING PARADOXICAL AND SLOW WAVE SLEEP A65-81381
- ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP /CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL A65-81384
- DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY PHOTIC STIMULATION BY STUDY OF ELECTROENCEPHALOGRAMS A65-81454
- DEPENDENCE OF PERCEPTION OF PHOTIC SIGNALS ON INTERVALS BETWEEN THEM AND AFTER EFFECT ON ELECTROMYOGRAM AND ELECTROENCEPHALOGRAPH A65-81455
- STUDIES ON VISUAL EVOKED RESPONSE - USE OF 0.06 DEGREE RED TARGET FOR EVALUATION OF FOVEAL FUNCTION A65-81532
- STEADY POTENTIAL SHIFTS IN CAT DURING AROUSAL AND DEEP SLEEP A65-81534
- SKIN-CONDUCTANCE, ALPHA-ACTIVITY, AND VIGILANCE A65-81582
- EFFECT OF VISUAL STIMULI ON DREAM CONTENT DURING SLEEP A65-81653
- DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION OF CENTRAL AND PERIPHERAL RETINA A65-81656
- ELECTROENCEPHALOGRAPH AND PULSE RATE OF RABBIT AS AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA A65-81666
- EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE OF SLEEP IN CATS A65-81710
- EFFECTS OF AUDITORY AND OPTICAL STIMULI DISCONTINUANCE ON ELECTROENCEPHALOGRAPH IN CATS. A65-81713
- EVALUATION OF PILOT PERFORMANCE BY INFIGHT ELECTROENCEPHALOGRAPH STUDY OF STRESS TOLERANCE A65-81777
- ELECTROENCEPHALOGRAPH IN AVIATION MEDICINE - RECOGNITION OF EPILEPTIC WAVE PATTERNS A65-81784
- UTILIZING ELECTROENCEPHALOGRAPH IN AEROSPACE MEDICINE A65-81788
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES OF ROCKET FLIGHT A65-81848
- ELECTROENCEPHALOGRAPHIC RESPONSES AND NYSTAGMUS AFTER ROTATORY STIMULATION OF VESTIBULAR APPARATUS A65-81850
- PRESENESCENT ELECTROENCEPHALOGRAPHIC CHANGES IN NORMAL SUBJECTS A65-81860
- EFFECT OF OXYGEN INTOXICATION ON VARIOUS AREAS OF BRAIN IN CATS A65-81875
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY BY ELECTRORETINOGRAM AND ELECTROENCEPHALOGRAPH RESPONSE TO WHITE LIGHT FLASHES IN RABBITS A65-81944
- VISUAL OBSERVATION OF H-RESPONSE IN ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL EXPOSED TO PHOTIC STIMULATION AS RELATED TO MIGRAINE A65-81974
- MENTAL ACTIVITY IN HYPNAGOGIC PERIOD AT SLEEP ONSET RELATED TO ELECTROENCEPHALOGRAPHY PATTERN A65-82003
- DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION, HYPERVENTILATION, AND PHOTIC STIMULATION A65-82032
- ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS AS AFFECTED BY ACUTE INCREASE IN INTRACRANIAL PRESSURE A65-82042
- ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS UNDER RESTING CONDITIONS AND DURING REPETITIVE PHOTIC STIMULATION A65-82063
- SLOW CORTICAL RESPONSE EVOKED BY ACOUSTIC STIMULI A65-82134
- CORRELATION ANALYSIS OF CHANGES IN HUMAN ELECTROENCEPHALOGRAPH DURING DEVELOPMENT OF RHYTHMIC MOTOR STEREOTYPY A65-82206
- POTENTIAL RESPONSE IN VARIOUS CORTICAL STRUCTURES DURING FORMATION OF FOOD CONDITIONED REFLEXES TO ACOUSTIC AND PHOTIC STIMULI IN DOGS A65-82226
- EXPECTANCY WAVE IN BRAIN MECHANISMS AND PERCEPTION A65-82255
- EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY IN POSTERIOR HYPOTHALAMUS IN CATS A65-82275
- EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP AND WAKEFULNESS IN CATS A65-82276
- RELATIONSHIP OF ELECTROENCEPHALOGRAPH BACKGROUND RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN A65-82277
- RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF ELECTROENCEPHALOGRAPH IN MAN A65-82278
- SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE DERIVATIVE A65-82300
- STATISTICAL MODEL OF ELECTROENCEPHALOGRAPH JPRS-27324 N65-10036
- ELECTROENCEPHALOGRAPHIC DATA PROCESSING AND DATA ACQUISITION JPRS-27337 N65-10037
- CORRELATION ANALYSIS OF ELECTROENCEPHALOGRAPH /EEG/ OF MAN, AND CHANGES IN EEG AND CUTANEOUS GALVANIC REACTION DURING FORMATION OF CONDITIONED REFLEX JPRS-27677 N65-11516
- DIAGNOSIS OF CHANGES IN ELECTROENCEPHALOGRAPH TO ESTABLISH HUMAN RESISTANCE TO ACUTE HYPOXIA FOR LONG PERIOD OF TIME N65-13731
- ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA FTD-TT-65-388/1&2 N65-26142
- CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA

SUBJECT INDEX

ELECTROLYTE

- RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN
N65-28756
- DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL
PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL
PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT
N65-28759
- STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- MULTICHANNEL TOPSCOPE AS COMPUTER INTERFACE
IN STUDY OF EEG
N65-28765
- PARAMETERS FOR COMPUTER ANALYSIS OF
NEUROPHYSIOLOGICAL DATA USING EEG FROM
NORMATIVE LIBRARY
N65-28766
- DATA ACQUISITION AND AUTOMATIC DATA PROCESSING
SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE TAPE LIBRARY
N65-28768
- PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND
OTHER PRIMATES AND USE OF EEG AS FATIGUE
INDICATOR DETERMINED FROM PARTIAL SPACE CABIN
SIMULATION
N65-28773
- RELATIONSHIP OF DIFFERENT STAGES OF
CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND
ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY
ELICITED BY NERVE STIMULATION IN MONKEYS
N65-28774
- INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY
N65-28776
- COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL
ACTIVITY INCLUDING BACKGROUND EEG AND REACTION
TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND
SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS
N65-28777
- ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS
UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018
N65-32718
- ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY
OF MAN DURING ORBITAL SPACE FLIGHT
NASA-TM-X-57000
N65-34428
- ELECTROENCEPHALOGRAPHY
ELECTROENCEPHALOGRAM AS TOOL FOR DETERMINING WHICH
CURRENT PRODUCES EFFECTIVE ANESTHESIA
A65-10737
- PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL
STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-
ENCEPHALOGRAPHIC TESTS
A65-10870
- COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS
A65-24193
- PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES
RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL
OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES
INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE
A65-24201
- ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING
PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338
- CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC
STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064
- ELECTROENCEPHALOGRAPHY IN DIAGNOSIS OF EPILEPSY IN
FLYING PERSONNEL
A65-80121
- EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM
8,000 TO 45,000 FEET
A65-81072
- ELECTROENCEPHALOGRAPHY AND PSYCHOLOGICAL TESTING
OF COMBAT PILOT UNIT
A65-81811
- CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION
A65-81812
- THEORETICAL AND PRACTICAL PROBLEMS CORRELATING
ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR
SELECTING PERSONNEL
A65-81813
- ELECTROENCEPHALOGRAPHIC EXAMINATION OF PERFORMANCE
OF PERSONNEL DURING LONG FLIGHTS
N65-13756
- NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING
ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION
EFFECTS ON HUMAN EEG
FTD-TT-64-267/162
N65-14470
- ELECTROENCEPHALOGRAPH - INSTRUMENT FOR RECORDING
ELECTRIC ACTIVITY OF BRAIN
N65-15723
- ELECTROENCEPHALOGRAPHY
N65-15724
- ELECTROENCEPHALOSCOPE - INSTRUMENT FOR OBSERVING
ELECTRIC ACTIVITY OF BRAIN ON CATHODE RAY TUBE
N65-15725
- ELECTROENCEPHALOGRAM DURING ELECTROANESTHESIA
N65-16617
- ORIGIN OF CEREBRAL CORTEX RHYTHMICITY AND ANALYSIS
OF ELECTROENCEPHALOGRAM
N65-16728
- EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING
ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY
IN MAN
AFOSR-64-1841
N65-16752
- DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY
N65-28776
- ELECTROENCEPHALOGRAPH SIGNAL CONDITIONERS
NASA-CR-65099
N65-31185
- ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT
MONITORING
SAM-TR-65-18
N65-34266
- ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY
OF MAN DURING ORBITAL SPACE FLIGHT
NASA-TM-X-57000
N65-34428
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE
N65-36771
- ELECTROKINETICS
EXCITATION STATE OF CENTRAL NERVOUS SYSTEM
REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD
SERUM PROTEINS - ELECTROKINETICS
N65-25615
- ELECTROLYSIS
ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE
TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM
FOR CHLORELLA 71105
A65-22770
- MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE
WATER FROM URINE, WASH WATER AND HUMIDITY
CONDENSATES BY ELECTRODIALYSIS
ASME PAPER 65-AV-16
A65-23224
- ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF
SPACE VEHICLE CABIN ATMOSPHERES
N65-18381
- PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006
N65-26318
- ELECTROLYTE
SA CATION
BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS,

- AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN MALE - MATHEMATICAL MODEL RM-4347-PR N65-23037
- ELECTROLYTE METABOLISM**
- PHYSIOLOGICAL AND METABOLIC RESPONSE TO HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS A65-80407
- PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636
- INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE METABOLISM IN HOT DRY REGION AS AFFECTED BY PHYSICAL ACTIVITY A65-80952
- DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION INDUCED BY HEAT STRESS AS INDICATION OF ACCLIMATIZATION AND ALDOSTERONE ACTIVITY A65-80958
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES A65-80959
- HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT A65-80961
- WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN RELATION TO FEEDING A65-80976
- OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22 EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG A65-81022
- WATER IMMERSION EFFECT ON HUMANS - PLASMA VOLUME AND ELECTROLYTE CHANGES A65-81066
- RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX, DURING HIBERNATION A65-81681
- ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR SIMULATED AIRCRAFT FLIGHT A65-81729
- FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS RELATION TO RADIATION SICKNESS AND MORTALITY OF MULTIPLE IRRADIATED MICE A65-81748
- *BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING HYPOTHERMIA IN DOGS A65-81795
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN DOG A65-81797
- STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND HYPOTHERMIA IN DOG A65-81799
- EFFECT OF PHYSICAL EXERCISE ON URINARY EXCRETION OF ELECTROLYTES IN HUMANS A65-81941
- ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN METABOLISM CAGES - BODY FLUID VOLUME AND ELECTROLYTE DERANGEMENTS BY FASTING IN COLD NASA-CR-62298 N65-22131
- ELECTROMAGNETIC ABSORPTION**
- BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION, EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY AND DIELECTRIC LOSSES DUE TO POLARIZATION RELAXATION IN WATER MOLECULES A65-29938
- ELECTROMAGNETIC FIELD**
- EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC FIELD A65-26302
- POSSIBLE INJURY FROM UHF ELECTROMAGNETIC FIELD ON ELECTROENCEPHALOGRAM OF CORTEX IN RABBITS A65-80442
- EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF CEREBRAL CORTEX IN RABBIT A65-80713
- SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC FIELD A65-80801
- BIOLOGICAL EFFECTS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD FTD-TT-64-898/1&2 N65-22067
- THERMAL EFFECT OF SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS OF SUPERHIGH FREQUENCY FIELD DOSIMETRY N65-28705
- ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION, COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY N65-28706
- SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND METABOLISM OF NUCLEIC ACID - ANIMAL STUDY N65-28703
- BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME FLUIDS ATD-T-65-56 N65-35916
- ELECTROMAGNETIC INSTRUMENT**
- STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY RESPIRATION, POSTURE, AND VASCULAR OCCLUSION MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899
- ELECTROMAGNETIC PROPAGATION**
- ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING ORGANISMS FTD-TT-62-1923/1&2 N65-18283
- ELECTROMAGNETIC RADIATION**
- SA ALPHA RADIATION
- SA BETA RADIATION
- PAPERS ON BIOLOGICAL ACTION OF ULTRASOUND AND UHF ELECTROMAGNETIC OSCILLATIONS A65-20933
- BEHAVIORAL BIOPHYSICS - ELECTROMAGNETIC RADIATION AND RELATION TO BEHAVIOR OF ORGANISMS A65-81206
- CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF DIFFERENT RADIO-FREQUENCY BANDS A65-81371
- ELECTROMAGNETIC RADIATION AND LIFE PROCESSES A65-81394
- COMBINED EFFECT OF HOT CLIMATE AND ULTRA HIGH FREQUENCY RADIATION ON CENTRAL NERVOUS SYSTEM OF WORKING PERSONNEL ENGAGED ON ULTRA HIGH FREQUENCY PROJECTS A65-82184
- EFFECT OF ULTRAHIGH FREQUENCY RADIATION IN FORMED ELEMENTS OF BLOOD IN MEN A65-82185
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC ENERGY REPT.-64-01 N65-12840
- PROSPECTIVE USES OF CONVERTING INVISIBLE AREAS OF ELECTROMAGNETIC SPECTRUM TO VISIBLE SPECTRUM RANGE JPRS-29212 N65-20096
- EFFECT OF ELECTROMAGNETIC RADIATIONS ON LIVING ORGANISMS JPRS-31501 N65-31004
- ELECTROMAGNETIC WAVE**
- RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR RADAR PERSONNEL A65-80058
- MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND AND SUPERHIGH FREQUENCY ELECTROMAGNETIC OSCILLATIONS - ACOUSTIC MEASUREMENTS OF STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY

SUBJECT INDEX

ELECTRONARCOSIS

- JPRS-30860 N65-28700
EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT OF ULTRASHORT ELECTROMAGNETIC WAVES ON BIOLOGICAL SUBJECTS NRC-TT-1161 N65-28815
- ELECTROMECHANICAL DEVICE
ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024 PRINTING CARD PUNCH APPARATUS ISS-64/39 N65-19607
- ELECTROMYOGRAM
RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING INSPIRATION AND EXPIRATION A65-80012
ELECTROMYOGRAM OF LIMB AS INDICATOR OF RESPONSE TO AUDITORY STIMULI A65-80196
RESPIRATORY MECHANICS AND DIAPHRAGM
ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE TO INSPIRATION A65-80315
LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET, MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM A65-80631
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM A65-80749
CALCULATION OF PHYSIOLOGICAL TREMOR BASED ON WORK OF MOTOR UNITS IN MAN A65-80750
QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS A65-80753
RELATIONSHIP OF DISCHARGE TIME IN MOTOR NEURONS OF MUSCLES ANTAGONISTS IN HUMANS BY ANALYSIS OF EMG A65-80760
PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND RESPIRATORY DATA A65-81056
DEPENDENCE OF PERCEPTION OF PHOTIC SIGNALS ON INTERVALS BETWEEN THEM AND AFTER EFFECT ON ELECTROMYOGRAM AND ELECTROENCEPHALOGRAM A65-81455
MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT IN SLEEP A65-81483
ACTIVITY IN PASSIVE ARM INFLUENCING MOTOR OVERFLOW FROM ACTIVE ARM A65-81575
EFFECT OF PROPRIOCEPTIVE STIMULATION ON HUMAN MUSCLE ACTION BASED ON ELECTROMYOGRAPHIC STUDIES A65-81878
ADVANTAGE OF ONE-LEAD ELECTROMYOGRAM AS DEMONSTRATED IN MAN AND FROG A65-81880
ELECTROMYOGRAPHIC ELECTRODE DESIGNED FOR IDENTIFICATION OF RECORDING SITES A65-81922
ELECTROMYOGRAPH FOR RECORDING OF ELECTRICAL MUSCLE DISCHARGE N65-15720
ELECTROMYOGRAPHY - METHOD FOR STUDYING NORMAL AND PATHOLOGICAL FUNCTIONAL STATES OF NEUROPHYSIOLOGY N65-16729
BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND ELECTROMYOGRAM CONTROL STUDIES REPT.-65-14 N65-24004
RELATIONSHIP OF DIFFERENT STAGES OF CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY ELICITED BY NERVE STIMULATION IN MONKEYS N65-28774
- ELECTRON
SA HIGH ENERGY ELECTRON
- BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN SEQUENTIAL TRANSPORT OF ELECTRONS DURING PHOTOSYNTHESIS N65-32659
- ELECTRON DIFFRACTION
INTEGRATED RESEARCH AND TRAINING IN SPACE MOLECULAR BIOLOGY - ELECTRON MICROSCOPE LABORATORY COMPLETION AND CORRELATED RESEARCH WITH ELECTRON DIFFRACTION NASA-CR-62879 N65-24674
- ELECTRON MICROSCOPE
INTEGRATED RESEARCH AND TRAINING IN SPACE MOLECULAR BIOLOGY - ELECTRON MICROSCOPE LABORATORY COMPLETION AND CORRELATED RESEARCH WITH ELECTRON DIFFRACTION NASA-CR-62879 N65-24674
ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE N65-35152
- ELECTRON MICROSCOPY
HIGH RESOLUTION ELECTRON MICROSCOPY FOR CORRELATIVE STUDIES OF BIOLOGICAL ULTRASTRUCTURE A65-18695
ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL FORCE A65-81291
ELECTRON MICROGRAPHS OF THERMAL PROTEINOID MICROSPHERES - BIOLOGICAL CELL MODEL NASA-CR-52474 N65-16983
LIGHT AND ELECTRON MICROSCOPY FOR STUDYING GLYCOGEN IN NERVOUS SYSTEM NASA-TM-X-51741 N65-22189
ELECTRON MICROSCOPY AND ELECTRON OPTICS IN EXOBIOLOGY NASA-CR-62954 N65-24993
ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX FOLLOWING EXPOSURE TO IONIZING RADIATION NASA-TM-X-51592 N65-35317
METHODS TO AID IN MICROSTRUCTURE ANALYSIS BY ELECTRON MICROSCOPY - ARTIFICIAL CLATHRATES, DECOMPOSITION, EPITAXY, AND SULFUR SENSITIZATION LA-3389-MS N65-36223
- ELECTRON SPECTRUM
EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE MECHANISM OF CYSTEINE N65-32652
- ELECTRON TRANSFER
CHLOROPLAST LIPIDS, PHOTO INHIBITION, PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS NASA-CR-53601 N65-17070
MODEL OF PHOTOSYNTHESIZING SYSTEMS BASED ON ELECTRON TRANSFER CONCEPT N65-20395
ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM OF GREEN BACTERIA, ION CONCENTRATION RELATING TO SNAIL MEMBRANES, ELECTRICAL MODEL OF NERVE FIBER, AND PARAMECIUM MOVEMENT JPRS-31282 N65-32658
- ELECTRONARCOSIS
ELECTRONARCOSIS N65-15721
NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD EFFECTS IN DOGS AND ANIMALS DURING ELECTRONARCOSIS JPRS-31018 N65-28808
THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY PULSE CURRENT ON CENTRAL NERVOUS SYSTEM JPRS-31837 N65-32380
INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS NASA-TT-F-9546 N65-32754

ELECTRONIC EQUIPMENT

SUBJECT INDEX

- ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING MACHINE
NASA-TT-F-9743 N65-36895
- ELECTRONIC EQUIPMENT
SA MINIATURE ELECTRONIC EQUIPMENT
- FLICKER PROBLEMS AS RELATED TO PHYSICS, ELECTRONICS, CELLULAR PHYSIOLOGY, ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY
A65-80767
- GUIDED MISSILE FUNDAMENTALS - TECHNICAL TRAINING MANUAL FOR ELECTRONIC MAINTENANCE PERSONNEL
AFM-52-31 N65-12490
- ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN PHYSIOLOGY
JPRS-28225 N65-14261
- BIOELECTRIC APPARATUS
JPRS-27112 N65-15719
- MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE RELIABILITY - BIOELECTRICALLY CONTROLLED PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND COMPACT SILICON STABILITRON CONVERTERS
JPRS-30557 N65-25541
- ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660
- RADIATION EFFECTS THRESHOLDS OF ELECTRONIC EQUIPMENT AND STRUCTURAL MATERIALS - METALS, POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC COMPONENTS
N65-34587
- ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING MACHINE
NASA-TT-F-9743 N65-36895
- ELECTRONIC EQUIPMENT TESTING
EVALUATION OF EXPERIMENTAL HEADSET IN HIGH INTENSITY NOISE FIELD
AD-463731 N65-35296
- ELECTRONIC MODULE
HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS USING HYDROGEN DIFFUSION CATHODE TO REMEDY CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394
- ELECTRONIC RECORDING INSTRUMENT
DEVICE FOR SIMULTANEOUS RECORDING OF HUMAN MOTOR AND SPEECH RESPONSE PARAMETERS
JPRS-29057 N65-19401
- ELECTRONIC MEASURING APPARATUS TO DIAGNOSE STOMACH DISORDERS, ADRENAL CORTEX CONDITION IN CARDIOVASCULAR AND METABOLIC DISORDER, AND HORMONE CONCENTRATIONS
JPRS-30182 N65-24065
- ELECTRONIC STRUCTURE
DEATH RATES OF MICROORGANISMS DEPOSITED ON SURFACES OF STAINLESS STEEL AND ELECTRONIC COMPONENTS BY HANDLING AND AERIAL FALLOUT - DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116
- ELECTRONIC SWITCH
OPERATOR PERFORMANCE OF ROTARY SELECTOR SWITCHES
T5-1187/3111 N65-34302
- ELECTRONIC TRANSDUCER
SA ULTRASONIC WAVE TRANSDUCER
- RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR RECORDING BIOELECTRICAL DATA, FORCE AND DISPLACEMENT
A65-10546
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
- BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678
- ELECTRONICS
SA MEDICAL ELECTRONICS
SA MICROELECTRONICS
SA RADIO ELECTRONICS
- PRODUCTION AUTOMATION, INDUSTRIAL ELECTRONICS, AND CYBERNETICS
FTD-MT-64-188 N65-11099
- ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS - IDENTIFICATION FOR DEVELOPMENT AND EVALUATION OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618
- FUNDAMENTAL TASKS AND CONCEPTS FOR TRAINING PERSONNEL IN ELECTRONIC COMMUNICATIONS
AMRL-TR-64-85 N65-18966
- ELECTROMYSTAGMOGRAPHY
NYSTAGMUS AND VESTIBULAR STIMULATION IN RABBIT DURING ROTATION
A65-80033
- MOTION PICTURE RECORDING OF OPTOKINETIC AND VESTIBULAR NYSTAGMUS
A65-80041
- PHOTOELECTRONYSTAGMOGRAPHY AND PHOTOELECTRO-OCULOGRAPHY
A65-81049
- EFFECT OF DIFFERENT CALORIC STIMULI ON CATS - PROBLEMS OF ELECTRONYSTAGMOGRAPHIC TECHNIQUE
A65-82119
- ELECTRONYSTAGMOGRAPHIC STUDY OF VESTIBULAR FUNCTION
A65-82321
- ELECTROPHORESIS
SA COLLOID
- ELECTROPHORESIS - DISPLACEMENT OF PARTICLES IN COARSE SUSPENSIONS UNDER INFLUENCE OF EXTERNAL ELECTRIC FIELD
N65-15722
- IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS, OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY, MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND SPECTROPHOTOMETRY
EUR-2402.F N65-29855
- BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC MOUTH DISEASES
FTD-TT-65-530/1&4 N65-33755
- QUANTITATIVE DETERMINATION OF ANTIGEN CONCENTRATION BY RELATING IMMUNOELECTROPHORETIC PRECIPITIN ARC POSITION TO ANTIGEN AND ANTIBODY ORIGINS
SAM-TR-64-92 N65-34417
- ELECTROPHYSIOLOGY
ELECTROENCEPHALOGRAM AS TOOL FOR DETERMINING WHICH CURRENT PRODUCES EFFECTIVE ANESTHESIA
A65-10737
- LOCAL, SEGMENTAL AND SUPRASPINAL INTERACTION WITH DORSOLATERAL SPINAL CUTANEOUS AFFERENT SYSTEM, EXAMINING ELECTRIC STIMULATION EFFECTS
A65-16311
- MECHANOELECTRICAL AND BIOMECHANICAL PRINCIPLES OF CONTROL OF HUMAN UPPER LIMB MUSCLES
A65-20495
- RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO PERIPHERAL CUTANEOUS UNMYELINATED FIBERS
A65-22352
- ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL GANGLIA ELECTRICAL ACTIVITY
A65-22674
- MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT TEMPERATURE
A65-30482
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS

SUBJECT INDEX

EMBRYO

- SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF
SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT
ON CATS A65-30589
- ACTION POTENTIAL RECORDED, USING REAL-TIME AND ON-
LINE SORTING OF NEUROELECTRIC ACTION POTENTIALS
A65-30843
- MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY
VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS
A65-31019
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO
TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL
RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN
ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD
VOSKHOD 1 NOTING APPARATUS RECORDING
ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAF,
DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF
ASTRONAUTS A65-34946
- CUTANEOUS NERVE, ELECTROPHYSIOLOGICAL ACTIVITY IN
RESPONSE TO TEMPERATURE CHANGES OF CAT SKIN
A65-80859
- ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NATURE OF
STANDING IN MAN JPRS-27841 N65-12874
- ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY
NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING
LEARNING AND DIFFERENT STAGES OF SLEEP AND
ALERTNESS AFOSR-64-0966 N65-13205
- ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NERVOUS
SYSTEM JPRS-28687 N65-16726
- ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND
DRUG ACTION ON BRAIN, LOCALIZATION OF
CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND
MODELING FUNCTIONS OF NERVOUS SYSTEM
JPRS-30007 N65-24230
- ELECTROPHYSIOLOGICAL IMPLICATIONS OF MODEL OF
GLOBAL FUNCTION USING SIMPLE SIMULTANEITY -
BRAIN FUNCTION STUDIES WITH EEG N65-28767
- ELECTROPLETHYSMOGRAPHY
WHOLE BODY PLETHYSMOGRAPHY
FPRC/MEMO-204 N65-12897
- ELECTRORETINOGRAM
ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347
- EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN
HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM
A65-80155
- HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC
CURRENT A65-80748
- PHYSIOLOGICAL ASPECTS OF FLICKER ELECTRORETINOGRAM
COMPONENTS AND FREQUENCY CHARACTERISTICS A65-80771
- RELATIONS BETWEEN ELECTRORETINOGRAMS AND OCCIPITAL
POTENTIALS ELICITED BY FLICKERING STIMULI
A65-80774
- HUMAN ELECTRORETINOGRAM RESPONSE TO SLOW
FLICKERING LIGHT STIMULUS AS RELATED TO COLOR
VISION AND EYE DISEASE A65-80778
- HUMAN ELECTRORETINOGRAM AS AFFECTED BY SLOW
INTERMITTENT LIGHT STIMULATION A65-80779
- EFFERENT INHIBITION OF SINGLE ELECTRORETINOGRAM
RESPONSES OF CONTRALATERAL EYE IN MAN A65-80780
- INFLUENCE OF ATTENTION AND SUPPRESSION ON FLICKER
ELECTRORETINOGRAM AS RELATED TO FLICKERING
RESPONSE OF OCCIPITAL ELECTROENCEPHALOGRAF
A65-80781
- OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS
OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT A65-80782
- ELECTRORETINOGRAPHIC MEASUREMENTS IN DARK ADAPTED
HUMAN EYE A65-80784
- EVOKED RESPONSES OF VISUAL CORTEX- SPECTRAL
SENSITIVITY OF HUMANS A65-81184
- CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF
MONKEY RETINA A65-81494
- VISUAL EVOKED CORTICAL RESPONSE IN CAT A65-81533
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT
FLASH DURING HIGH ALTITUDE SIMULATION IN LOW
PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS
A65-81669
- SYNCHRONIZATION OF INITIAL AFFERENT FLOW IN VISUAL
SYSTEM IN CAT A65-81705
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
BY ELECTRORETINOGRAM AND ELECTROENCEPHALOGRAF
RESPONSE TO WHITE LIGHT FLASHES IN RABBITS
A65-81944
- ELECTRORETINOGRAMS CHARACTERISTIC OF VARIOUS AREAS
OF RETINA AND USE OF TECHNIQUE AS FUNCTION TEST
A65-82075
- COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL
ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL
NOISE, AND ELECTRORETINOGRAMS
AFOSR-65-0039 N65-21449
- ANALOG POWER SPECTRAL DENSITY ANALYSIS OF
ELECTRORETINOGRAM DATA
NASA-CR-64330 N65-30840
- ELECTROSTATIC PRECIPITATOR
DETECTION AND STUDY OF MICROBIAL POPULATION IN
UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE
SAMPLING WITH ELECTROSTATIC PRECIPITATOR
N65-23986
- ELEMENT
S TRACE ELEMENT
- EMBOLISM
AIR EMBOLISM IN MICE AFTER EXPLOSIVE DECOMPRESSION
AND POSSIBLE PREVENTION A65-81078
- CASE HISTORY OF AEROEMBOLISM TREATED BY
HYPOTHERMIA A65-81523
- RESPIRATORY AND CIRCULATORY CHANGES AFTER
EXPERIMENTAL FAT EMBOLISM IN DOGS A65-81688
- EMBOLISM AND PAROXYSMAL AURICULAR FIBRILLATION
NASA-TT-F-8552 N65-18178
- EMBRYO
SA FETUS
SA UTERUS
- LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-
OXYGEN ATMOSPHERE
NASA-CR-56876 N65-22195
- ULTRASENSITIVE MOMENTUM TRANSDUCER USED AS
BALLISTOCARDIOGRAPH FOR MEASURING HEART BEAT
OF AVIAN EMBRYOS
NASA-TM-X-54041 N65-25972
- X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO -
COCKROACH, BLABERUS CRANIIFER
TID-21877 N65-36506

EMBRYOLOGY

METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY
SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR
HELIUM-OXYGEN ATMOSPHERE A65-22902

VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/
AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT
INFORMATION NECESSARY FOR LIVING SYSTEM
SPECIFICATION IS STORED IN ATOM CONFIGURATION
A65-31004

EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724

EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM
A65-80752

WEIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM
DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO
ACCELERATIVE FORCE A65-82149

MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO
ACCELERATIVE FORCE A65-82155

EMERGENCY BREATHING TECHNIQUE
SA PRESSURE BREATHING

EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995

PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF
AUTOMATIC RESPIRATORS
HDL-TM-64-23 N65-19416

EMERGENCY LIFE SUSTAINING SYSTEM

SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT A65-81542

EMOTIONAL FACTOR

EMOTIONAL-VOLITIONAL REACTION OF RUSSIAN
COSMONAUTS DURING PARACHUTE JUMP TRAINING
A65-80045

PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION
IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP
A65-80401

DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON
PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE
AND CHLORAL HYDRATE WITH YOUNG ADULT MALE
A65-80448

AWARENESS DURING FLIGHT AND SENSORY INPUT,
EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO
MENTAL PERFORMANCE AND FLIGHT SAFETY
A65-81295

EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819 N65-12662

CARDIOVASCULAR SYSTEM AS INDEX OF NERVOUS,
EMOTIONAL, AND PHYSICAL STRAIN OF PERSONNEL ON
LONG FLIGHTS WITH COMPLEX MISSION
N65-13709

BIOLOGICAL SERIES IN DYNAMICS OF BLOOD CIRCULATION
AND EMOTIONAL STRESS ON COSMONAUTS DURING SPACE
FLIGHTS
FTD-TT-64-534/162&4 N65-14526

EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528

PHYSICAL AND EMOTIONAL TRAINING OF SOVIET
COSMONAUTS
JPRS-31250 N65-29011

EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT
PARACHUTISTS DURING TRAINING
FTD-TT-65-437/1 N65-29160

CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351

ENCODING

SA CODING
SA REDUNDANCY ENCODING

ENCODING IN PERCEPTUAL /VISUAL/ SERIAL POSITION
EFFECT
AD-609101 N65-14083

MECHANISM FOR ENCODING, PROCESSING AND STORAGE OF
PERCEPTUAL CONFORMATION IN PROBLEM SOLVING
AD-463786 N65-28999

ENDOCRINE SYSTEM

SA ADRENAL GLAND
SA HORMONE
SA OVARY
SA PANCREAS
SA PINEAL GLAND
SA PITUITARY GLAND
SA TESTIS
SA THYMUS
SA THYROID

PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD
INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE
SYSTEMS A65-80491

SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS A65-81465

SIMULTANEOUS STUDY OF THYROID, GONADS, AND ADRENAL
FUNCTION IN AGING MEN FOR ASSESSING PHYSIOLOGICAL
AGE OF INDIVIDUAL A65-81862

EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711

ENDOCRINOLOGY

NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY,
PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL
CLINICAL AND BEHAVIORAL PATTERNS
NASA-CR-62354 N65-22165

ENERGY

SA ACTIVATION ENERGY
SA ELECTRIC ENERGY
SA HEAT
SA MOLECULAR ENERGY
SA NUCLEAR ENERGY
SA RADIANT ENERGY
SA THERMAL ENERGY

FOOD INTAKE AND ENERGY EXPENDITURE IN SUBJECTS
ENGAGED IN PHYSICAL EXERCISE A65-80318

ENERGY FOR PHYSIOLOGICAL FUNCTIONS DESCRIBED AS
ENERGY ACCUMULATION IN HIGH ENERGY BONDS
NASA-TT-F-308 N65-14948

ENERGY INDICES TO STATE OF CENTRAL NERVOUS SYSTEM
IN HYPOXIA N65-17770

OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF
GRAVITY
NASA-TT-F-9562 N65-33806

ENERGY CONVERSION

SA HEAT GENERATION

OXYGEN CONCENTRATION EFFECT ON GROWTH RATE,
CONVERSION EFFICIENCY, AND CELL COMPOSITION -
CYTOGENESIS
NASA-CR-55188 N65-17069

ENERGY DISSIPATION

ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR
IONIZING RADIATION - LINEAR ENERGY TRANSFER
SPECTRUM OF HETEROGENEOUS PROTON BEAM
NASA-CR-51826 N65-16483

ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR
IONIZING RADIATION IN SPACE
NASA-CR-50471 N65-16484

ENERGY LOSS

BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION,

SUBJECT INDEX

ENVIRONMENT SIMULATION

- EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY
AND DIELECTRIC LOSSES DUE TO POLARIZATION
RELAXATION IN WATER MOLECULES A65-29938
- ENERGY COST AND OXYGEN CONSUMPTION OF ALTERNATING
POSITIVE AND NEGATIVE WORK A65-81507
- IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY
LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN
KIDNEY CELLS N65-23464
- ENERGY REQUIREMENT
SA METABOLISM
- ENERGY REQUIREMENTS OF MEN WORKING AND LIVING IN
EXTREME HEAT A65-80970
- ENERGY METABOLISM IN DOGS AND RATS DURING
IRREVERSIBLE HEMORRHAGIC SHOCK
AD-467957 N65-36174
- ENERGY SOURCE
CORNUCOPIA, STORABLE BIROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143
- ENERGY SOURCES AND CHEMICAL REACTIONS IN
PREBIOLOGICAL ORGANIC SYNTHESIS A65-80473
- ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION N65-18592
- ENERGY TRANSFER
SA LINEAR ENERGY TRANSFER /LET/
SA MASS TRANSFER
- COOPERATION BETWEEN AND PLANT CONTROL OF ENERGY
FLUX IN TWO LIGHT REACTIONS IN PHOTOSYNTHESIS
A65-17812
- AUDITORY PERCEPTION - ENERGY TRANSFORMATIONS
WITHIN INNER EAR
AFOSR-65-0040 N65-28205
- ENGINE
S DIESEL ENGINE
- ENGINEERING /GEN/
SA BIOENGINEERING
SA CHEMICAL ENGINEERING
SA HUMAN ENGINEERING
SA MECHANICAL ENGINEERING
SA PRODUCTION ENGINEERING
SA STRUCTURAL ENGINEERING
SA SYSTEMS ENGINEERING
- INTERACTING FIELDS OF BIOLOGY AND ENGINEERING -
BIONICS AND BIOENGINEERING N65-16602
- ENGINEERING PROBLEMS IN MICROORGANISM CULTURE
ON LARGE SCALE N65-16628
- ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING
PSYCHOLOGY
NASA-TT-F-312 N65-24370
- SUPPLY OF TRAINED PERSONNEL FOR ENGINEERING AND
SCIENCE
NASA-CR-27953 N65-27953
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES N65-29770
- ENVIRONMENT
SA EXTRATERRESTRIAL ENVIRONMENT
SA HIGH ALTITUDE ENVIRONMENT
SA HIGH GRAVITY ENVIRONMENT
SA HIGH TEMPERATURE ENVIRONMENT
SA LOW TEMPERATURE ENVIRONMENT
SA LUNAR ENVIRONMENT
SA PLANETARY ENVIRONMENT
SA ROTATING ENVIRONMENT
SA SPACE ENVIRONMENT
SA SPACECRAFT ENVIRONMENT
SA THERMAL ENVIRONMENT
- PERSONALITY STRUCTURE, GROUP COMPENSATION, AND
GROUP FUNCTIONING IN RELATION TO OUTSIDE FACTORS
A65-80742
- SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897
- EFFECT OF ENVIRONMENTAL ILLUMINATION ON ESTROUS
CYCLES OF RODENTS A65-81867
- EFFECTS OF GROUP, ENVIRONMENT, AND WEATHER
VARIABLES ON HUMAN BEHAVIOR
AD-607810 N65-14420
- POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981
- REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR
MEASURING CHARACTERISTICS OF PHYSICAL
ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY
N65-30381
- SPACE RADIATION EFFECTS ON APOLLO MISSION -
ENVIRONMENTAL ANALYSIS N65-34593
- AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTOMATOLOGY,
AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT -
AUTONOMIC NERVOUS SYSTEM MECHANISMS
MR-63-13 N65-35295
- ENVIRONMENT MODEL
THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT
ENVIRONMENT DESCRIBED BY THEORETICAL MODEL
A65-81227
- ENVIRONMENT SIMULATION
SA SPACE SIMULATION
- HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING
SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF
MECHANICS A65-14224
- FLUID METABOLISM AND CIRCULATION DURING AND AFTER
WEIGHTLESSNESS A65-26744
- RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN
ENVIRONMENT INVESTIGATED, USING CULTURE
COLLECTIONS AND SOIL SAMPLES A65-30676
- ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS
DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS
SIMULATOR A65-30683
- STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD
HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF
PROJECTED STAR FIELD FOR SPACE ENVIRONMENT
SIMULATION A65-35493
- HUMAN REACTIONS IN PRESSURIZED CABIN IN SIMULATED
SPACE ENVIRONMENT AND IN ARTIFICIAL ATMOSPHERE
DURING PROLONGED SPACE FLIGHT
JPRS-27286 N65-10035
- INERT GAS IN ARTIFICIAL ENVIRONMENT TO PREVENT
PULMONARY DISTURBANCES
NASA-TT-F-9258 N65-16641
- LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING
WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL
SIMULATION
SM-47691 N65-17977
- SPACE ENVIRONMENT SIMULATION OF VACUUM
DECOMPRESSION TO DETERMINE SURVIVAL AND
AND RECOVERY PROBABILITY - ANIMAL STUDY
NASA-TM-X-51669 N65-24039
- EFFECTS OF DISCONTINUOUS EXPOSURE TO HIGH OXYGEN
LOW PRESSURE ENVIRONMENT ON RATS - AEROSPACE
MEDICINE
NASA-CR-63790 N65-28346

ENVIRONMENTAL CHAMBER

SUBJECT INDEX

- EFFECTS OF DIFFERENT FREEZE CYCLES ON *BACILLUS CEREUS* AND *BACILLUS SUBTILIS* IN SIMULATED MARTIAN ENVIRONMENT
NASA-CR-64577 N65-32032
- ENVIRONMENTAL CHAMBER**
CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE MARTIAN CONDITIONS FOR MICROBIOLOGICAL INVESTIGATIONS A65-25099
- PULMONARY VASCULAR CHANGES IN DOGS PLACED IN ATMOSPHERIC CONTROL CHAMBER WITH TEN PERCENT OXYGEN A65-80181
- CONTROLLED-CLIMATE CHAMBER USED TO DETERMINE EFFECT OF VARYING CLIMATIC FACTORS ON DISEASES AND ABNORMAL CONDITIONS A65-80504
- ENVIRONMENTAL CHAMBER FOR LONG-TERM STUDIES OF CHRONIC HYPOXIA IN SMALL ANIMALS A65-80683
- EVOLUTION OF ENVIRONMENTAL CHAMBER DESIGN A65-80808
- DEHYDRATION EFFECTS ON ECCRINE SWEATING OF SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER A65-80899
- SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS A65-81609
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS AND MAN A65-81636
- HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED SENSORY STIMULATION JPRS-28929 N65-17304
- PROLONGED STAY IN PRESSURIZED CHAMBER IN PREPARATION FOR SPACE FLIGHT - LABORATORY EXPERIMENTS N65-18785
- BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN RATING SUBSYSTEM DESIGN CRITERIA AEDC-TR-65-179, VOL. II N65-34279
- ENVIRONMENTAL CONTROL**
SA CLEAN ROOM
- SPACE SUIT DESIGN FOR THERMAL ENVIRONMENT CONTROL DURING EXTRAVEHICULAR TASKS A65-10695
- BIOINSTRUMENTATION AND MONITORING SYSTEM FOR ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL STRESS A65-10697
- LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT, DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE MANAGEMENT A65-12545
- ENVIRONMENTAL CONTROL SYSTEM INTEGRATION FOR MANNED SPACE STATION SAE PAPER 912C A65-12909
- LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING ATMOSPHERE AND THERMAL CONTROL, RADIATION PROTECTION AND WATER AND WASTE RECOVERY A65-13099
- OXYGEN EFFECT ON RADIATION RESISTANCE OF MICE EXPOSED TO IONIZING DOSES IN CONTROLLED ENVIRONMENT A65-14225
- CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE ROCKET BIOPROPELLANTS FOR LIFE SUPPORT, INCLUDING ATMOSPHERE AND CONTAMINANT CONTROL A65-14234
- SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE MATERIAL A65-14806
- BOSCH PROCESS CLOSED CYCLE OXYGEN PRODUCTION UNIT FOR SPACE APPLICATION AICE PREPRINT 47A A65-15398
- INTERPLANETARY MISSION LIFE SUPPORT SYSTEM EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE CONDITIONING, WATER MANAGEMENT, TEMPERATURE CONTROL AND SYSTEM INTEGRATION ASME PAPER 65-AV-33 A65-22954
- SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND REMOVAL OF HUMAN WASTES A65-23920
- MAINTAINING ENVIRONMENTAL CONTROL REQUIREMENTS FOR FABRICATION AND ASSEMBLY OF STERILE SPACE VEHICLES A65-30032
- REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM A65-34478
- CLIMATIC CONTROL OF OUTDOOR AND INDOOR ENVIRONMENTS FOR SURVIVAL, COMFORT, AND THERAPY A65-80503
- EMERGENCY EXPOSURE LIMITS FOR DIMETHYL HYDRAZINE, NITROGEN DIOXIDE, AND TRICHLOROETHANE USEFUL AS GUIDE FOR INDUSTRIAL HYGIENISTS A65-80619
- PROBLEMS OF ENVIRONMENTAL CONTROL IN CLOSED SPACE VEHICLE A65-81038
- ENVIRONMENTAL CONTROL OF CLOSED SPACE IN NUCLEAR SUBMARINE A65-81039
- SECOND INTERNATIONAL SYMPOSIUM ON BASIC ENVIRONMENTAL PROBLEMS OF MAN IN SPACE A65-81549
- COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF BEHAVIOR NASA-CR-53475 N65-15373
- CULTURE MEDIUM FOR SURVIVAL AND REPRODUCTION OF *DAPHNIA WATER FLEA* IN SEVEN DAY SPACE FLIGHT NASA-CR-56112 N65-17053
- HUMAN FACTOR CRITERIA, ENVIRONMENTAL CONTROL, AND LIFE SUPPORT SYSTEM FOR LUNAR SHELTER NASA-CR-60909 N65-17603
- BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL NASA-CR-62606 N65-23283
- VIABILITY OF ORGANISMS UNDER CONTROLLED ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO NATURAL CONDITIONS N65-23998
- FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL CONTROL SYSTEM STL-9990-6397-RU-000 N65-27158
- COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE PROGRAMS WITH ANIMALS N65-28770
- ENVIRONMENTAL INDEX**
NEW ENVIRONMENTAL INDEX FOR EVALUATION OF INFLUENCE OF WORK AND ENVIRONMENTAL CONDITIONS ON THERMOREGULATION IN MAN A65-80903
- ENVIRONMENTAL INDICES AND THERMOREGULATION IN MAN A65-80905
- NATURAL BACKGROUND AND RADIATION LEVELS ATTRIBUTABLE TO LABORATORY OPERATIONS DURING 1963 BNL-915/T-376/ N65-34205
- ENVIRONMENTAL LABORATORY**
LABORATORY SIMULATION EXPERIMENT TO DETERMINE EFFECT OF TARGET TYPE AND GROUND SPEED ON AIR-TO-GROUND TARGET RECOGNITION T5-990/3111 N65-29239
- ENVIRONMENTAL SCIENCE**
CONSIDERATION FOR ENVIRONMENTAL RESEARCH IN HUMAN FACTORS A65-81391

SUBJECT INDEX

ENZYME ACTIVITY

- ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE FLIGHT AND SUBMARINE MEDICINE
JPRS-27767 N65-13417
- SPACE RELATED BIOLOGY INCLUDING EXTRATERRESTRIAL ENVIRONMENT STUDIES - ANNUAL REPORT, JUNE 1965
NASA-CR-64060 N65-29773
- ENVIRONMENTAL TEMPERATURE
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE TO NOREPINEPHRINE A65-80180
- TELEMETERING HYPOTHALAMIC TEMPERATURES OF UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT ENVIRONMENTS A65-80682
- REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS A65-80901
- ENVIRONMENTAL PHYSIOLOGY AND PSYCHOLOGY IN HOT ARID CONDITIONS A65-80954
- NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN UNDER COMBINED RESTRICTION OF FOOD AND WATER DURING EXERCISE IN AIR CONDITIONED ROOM A65-80969
- TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN RED CELLS A65-81906
- HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE, AIR VELOCITY, AND EXERCISE A65-81914
- AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD CIRCULATION, AND BODY HEAT REGULATION A65-82031
- ENVIRONMENTAL TESTING
SA MATERIAL TESTING
- VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES FROM MANNED CHAMBER TESTING A65-10831
- ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS, INVESTIGATING RODENTS AND SMALL PRIMATES IN CENTRIFUGES A65-30049
- AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT N65-13643
- OBSERVATIONS AND TESTING OF COSMONAUTS AND ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL ABOARD VOSKHOD MANNED SPACECRAFT JPRS-29911 N65-23053
- ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL FLIGHT SUIT FOR PROTECTION FROM COLD DURING IMMERSION IN WATER TAC-TR-63-31/D/ N65-27567
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES AFTER ADMINISTRATION OF VARIOUS DRUGS N65-34776
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING OF CHIMPANZEE - AEROSPACE MEDICINE N65-36772
- ENZYME
SA CARBONIC ANHYDRASE
SA OXIDASE
SA PEPSIN
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN HYDROGEN PEROXIDE DECOMPOSITION A65-26285
- EFFECT OF LASER RADIATION ON TYROSINASE ACTIVITY IN HUMAN SKIN A65-81098
- QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS OF GROWTH A65-81194
- PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA IN DOGS A65-81800
- CIRCADIAN RHYTHM OF SELF-SELECTED REST AND ACTIVITY IN CANARY AND EFFECT OF MONOAMINE OXIDASE INHIBITORS AND ENFORCED DARK PERIODS A65-82044
- SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE ACTIVITY MEASURED BY FLUORESCENT ASSAY NASA-CR-50919 N65-16278
- EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN LIVERS OF MICE N65-19212
- INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN RAT LIVERS N65-19213
- TETRATHIONATE EFFECT ON STABILITY AND IMMUNOLOGICAL PROPERTIES OF MUSCLE TRIOSEPHOSPHATE DEHYDROGENASES NASA-CR-56251 N65-19962
- LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC ACIDS NASA-CR-63246 N65-25590
- METAL-CONTAINING ENZYME DAMAGE AS EVIDENCE OF BIOLOGICAL ACTION OF PENETRATING RADIATION T-413-R N65-27930
- STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF ESCHERICHIA COLI NASA-CR-58980 N65-29416
- ENZYME INDUCTION AND CORTISONE PROTECTION IN ENDOTOXIN-POISONED MICE AAL-TDR-64-8 N65-30826
- MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME LEVELS OF WHOLE BODY IRRADIATED PRIMATES SAM-TR-65-22 N65-33679
- COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN STRUCTURE AND FUNCTION OF COPPER ENZYMES FSU-2690-21 N65-34320
- ENZYME ACTIVITY
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE OXIDATIVE DECARBOXYLATION OF PYRUVATE IN ESCHERICHIA COLI A65-16854
- HYDROGENASE ENZYME PROPERTY STUDY IN ORDER TO ELUCIDATE PROCESS OF SULFATE REDUCTION IN COLEMAN ORGANISM A65-17519
- PHOSPHOROCLASTIC REACTION CATALYZED BY CLOSTRIDIUM NIGRIFICANS, THERMOPHILIC SULPHATE-REDUCING BACTERIUM A65-17522
- ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID INCORPORATION A65-18029
- TEMPERATURE EFFECT ON PROTON MAGNETIC RESONANCE SPECTRA OF RIBONUCLEASE, OXIDIZED RIBONUCLEASE AND LYSOZYME A65-18031
- RIBONUCLEASE DIGEST OF AMINOACYL-S RNA IN INCOMPLETE PEPTIDE CHAIN LIBERATION BY AMINO ACID-NUCLEOTIDE FRAGMENTS ATTACHMENT TO C-TERMINAL A65-18042
- CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVER-CROWDING AND DISEASE IN MULTICELLULAR SYSTEMS A65-18287
- RADIO WAVE IRRADIATION EFFECT ON CONTENT OF NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE RATS A65-20937

- IMPACT STRESS IN CHIMPANZEES SUBJECTED TO G
FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC
DEHYDROGENASE AND LDH ISOENZYME ANALYSIS
A65-22911
- SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097
- HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND
IN LIVE ORGANISMS
A65-32614
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS
A65-35816
- ENZYME ACTIVITY AFTER CONTROLLED EXERCISE
A65-80022
- COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMATIC ACTIVITY OF BROWN
FAT OF HAMSTERS
A65-80096
- HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALOACETIC-
TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF
MYOCARDIUM OF RAT
A65-80154
- HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN
METABOLISM AND ENZYME ACTIVITY OF DOG HEART
MUSCLE
A65-80178
- PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES
A65-80221
- BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND
GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS
EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE
A65-80291
- TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD
A65-80430
- MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFLOURIDATE
A65-80431
- CHANGES OF SERUM GLUTAMIC OXALOACETIC TRANSAMINASE
ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
IN SUBJECTS WITH AND WITHOUT HEART DISEASE
A65-80577
- CHANGES OF SERUM GLUTAMIC-OXALDACETIC TRANSAMINASE
AND SERUM LACTIC DEHYDROGENASE DURING PHYSICAL
EXERTION
A65-80621
- RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION
A65-80622
- OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY
ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT
ENVIRONMENT
A65-80705
- ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
CORTEX AND CEREBELLUM
A65-80812
- HISTOCHEMICAL DEMONSTRATION OF
ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF VESTIBULAR BONES OF GUINEA PIGS
A65-81044
- ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS
A65-81096
- CHANGES IN GASTRIC HISTIDINE DECARBOXYLASE
ACTIVITY DURING FASTING AND FEEDING IN RATS
A65-81217
- ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL
A65-81500
- BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS
AND MUSCULAR EXERCISE
A65-81603
- SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS
A65-81619
- METHOD FOR DETERMINATION OF BLOOD DEHYDRASE
ACTIVITY IN LEAD POISONING
A65-81621
- ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN
DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE
FORCE AND SHORT DURATION
A65-81837
- DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS
A65-81838
- PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE,
AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED
BY ANOXIA IN DECOMPRESSION CHAMBER
A65-81841
- DEHYDROGENASE ACTIVITY OF TISSUES DURING EXPOSURE
TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN
ALBINO RATS
A65-82027
- INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD.
A65-82051
- ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA
A65-82052
- ENZYME ACTIVITY INDICATING LIVER CHANGES DUE TO
ALCOHOL INGESTION
A65-82098
- FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO
AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT
A65-82167
- DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS
A65-82178
- HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD
A65-82192
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION
A65-82358
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE
A65-82360
- CORTISONE INFLUENCE ON GLYCOGENOGENESIS, ENDOTOXIN
LETHALITY, AND TRYPTOPHAN PYRROLASE INDUCTION IN
COLD-EXPOSED MICE
AAL-TDR-64-5
N65-19289
- MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE
UCRL-12389
N65-19461
- ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585
N65-20625
- HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST
CELLS FOR STUDY OF CELLULAR MODIFICATION
N65-23466
- IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND
1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND

- LIVER TISSUE ENZYME ACTIVITIES
AMRL-TR-65-19 N65-27575
- OXALOACETATE PROTECTION OF CITRATE CONDENSING
ENZYME FROM PALMITYL- CO A
UCRL-7896 N65-35526
- EPILEPSY
SA CONVULSION
- ELECTROENCEPHALOGRAPHY IN DIAGNOSIS OF EPILEPSY IN
FLYING PERSONNEL A65-80121
- ELECTROENCEPHALOGRAM IN AVIATION MEDICINE -
RECOGNITION OF EPILEPTIC WAVE PATTERNS
A65-81784
- DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS
OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION,
HYPERVENTILATION, AND PHOTIC STIMULATION
A65-82032
- HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL
EPILEPTIC SEIZURES IN DOGS AND RATS
N65-17841
- EPINEPHRINE
URINARY EXCRETION OF EPINEPHRINE AND
NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE
A65-80113
- URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN
A65-80252
- REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND
CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS
ADAPTED TO TUMBLING TRAUMA A65-80331
- ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG
AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND
EPINEPHRINE A65-81025
- BLOCKAGE IN RATS OF EPINEPHRINE-INDUCED
HYPERGLYCEMIA DURING EXPOSURE TO SIMULATED
ALTITUDES A65-81474
- COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED
BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT
CARBON DIOXIDE, AND EPINEPHRINE
A65-82017
- RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND
ADRENALINE AND NORADRENALINE CONCENTRATION IN
HUMAN PLASMA DURING VIGILANCE TASK
TR-750-5 N65-11250
- EQUATION
S DIFFERENTIAL EQUATION
S NONLINEAR EQUATION
- EQUILIBRIUM
SA STABILIZATION
SA THERMODYNAMIC EQUILIBRIUM
- PHYSIOPATHOLOGY OF EQUILIBRIUM IN THE AVIATOR
A65-80127
- MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR
APPARATUS IN CATS A65-80437
- EQUILIBRIUM AND WALKING CHANGES OBSERVED IN
REVOLVING SPACE STATION SIMULATOR
A65-80947
- COMPARATIVE EFFECTS OF PROLONGED ROTATION ON
POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND
DEFECTIVE HUMAN SUBJECTS
NASA-CR-63799 N65-28350
- QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS
PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM
UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES
NASA-CR-63803 N65-28540
- EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL
STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG
N65-31380
- COMPARATIVE EFFECTS OF PROLONGED ROTATION AT
10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-67122 N65-36440
- EQUIPMENT
S AIRBORNE EQUIPMENT
S AUDIO EQUIPMENT
S CRYOGENIC EQUIPMENT
S ELECTRONIC EQUIPMENT TESTING
S HEATING EQUIPMENT
S LIGHTING EQUIPMENT
S MEDICAL EQUIPMENT
S POSITIONING EQUIPMENT
S TELEVISION EQUIPMENT
S TRAINING EQUIPMENT
- EQUIPMENT SPECIFICATIONS
USE OF ANTHROPOMETRIC DATA IN AIR FORCE PROGRAM
A65-82010
- OXYGEN BREATHING MASKS SELECTION, FIT, AND
APPLICATION - EQUIPMENT SPECIFICATIONS
N65-29752
- ERGONOMICS
S BIOTECHNOLOGY
- ERROR
SA PILOT ERROR
SA RANDOM ERROR
- EFFECTS OF STEP SIZES ON ERROR RATES IN LINEAR
PROGRAMMING
NAVTRADEVEN-1208-1 N65-10230
- STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION
MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD
TO ERROR PROBABILITIES - DERIVATION OF BETA
BINOMIAL PROBABILITY FUNCTION
ESD-TDR-64-605 N65-26109
- ERROR FUNCTION
EFFECTS OF PERFORMANCE SCORING CRITERIA ON
COMPENSATORY TRACKING BEHAVIOR A65-35476
- ERROR SIGNAL
EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-
ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING
CONDITIONS A65-22037
- ERYTHROCYTE
ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO A65-14607
- EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC
AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE
BLOOD AND ERYTHROCYTES A65-21941
- ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003
- LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073
- BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND
GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS
EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE
A65-80291
- MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS A65-80312
- LEAD POISONING - CHANGES IN MORPHOLOGY AND
METABOLISM OF ERYTHROCYTE OF HUMAN
A65-80340
- AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO
MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION
AND COULTER COUNTER A65-80427
- DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD
ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION
A65-80537
- USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF

- THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST RADIATION DAMAGE TO TISSUE CELLS
A65-80542
- ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS ADAPTED TO HYPOXIA
A65-80590
- REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE
A65-80731
- GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND CARBON DIOXIDE
A65-80818
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES
A65-80927
- HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON RED BLOOD CELLS IN HAMSTER
A65-81498
- ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO ANOXIA
A65-81796
- EFFECT OF HYPOXIA ON SIZE OF ERYTHROCYTES IN DOGS
A65-81874
- TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN RED CELLS
A65-81906
- EFFECT OF LOW FREQUENCY VIBRATION ON DIAMETER OF ERYTHROCYTES IN RATS
A65-81956
- SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH SEXES LIVING AT HIGH ALTITUDE
A65-81964
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO LIPID AND ACETYLCHOLINESTERASE
A65-82360
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS BED REST AND PHYSICAL EXERCISE
A65-82367
- PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE ELECTRIC CONDUCTIVITY
JPRS-28782
N65-17025
- ACUTE HYPOXIA INFLUENCE ON ACID RESISTANCE OF ERYTHROCYTES OF DOGS
N65-17761
- COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT VARIOUS OXYGEN PRESSURES
N65-17816
- CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES
N65-17829
- FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN NORMAL ACUTELY BLED DOGS
UR-662
N65-23105
- ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660
- EFFECT OF FREEZE PRESERVATION AND THAWING OF RHESUS MONKEY ERYTHROCYTES - CRYOGENICS
AD-465702
N65-27526
- EFFECT OF GAMMA RADIATION AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION BALANCE OF ERYTHROCYTES
FTD-TT-65-585/162&4
N65-34868
- BIOCHEMISTRY OF ERYTHROCYTES
AD-617518
N65-35942
- ESCAPE**
MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION
A65-81520
- HIGH SPEED AND HIGH ALTITUDE AIRCRAFT ESCAPE BY EJECTION SEAT - AERODYNAMIC FORCE AND RAREFACTION EFFECTS
FTD-TT-65-260/162
N65-22447
- ESCAPE CAPSULE**
HUMAN ENGINEERING AND AEROSPACE MEDICINE AS RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT, ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION AND EVALUATION TECHNIQUES
A65-80138
- MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT
N65-29750
- LOCATION AND RETRIEVAL CONCEPTS FOR REENTRY CREW ESCAPE SYSTEMS
N65-29759
- ESCHERICHIA**
IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION IN ESCHERICHIA COLI CELLS AND RNA MESSENGER DECAY
A65-10633
- MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE OXIDATIVE DECARBOXYLATION OF PYRUVATE IN ESCHERICHIA COLI
A65-16854
- ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID INCORPORATION
A65-18029
- IONIZING RADIATION EFFECTS ON URACIL CARBON 14 INCORPORATION INTO ESCHERICHIA COLI CELLS IN DILUTE SUSPENSION
A65-18224
- PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS EFFECT ON EARLY THYMINELESS DEATH OF ESCHERICHIA COLI B3 EXPOSED TO UV RADIATION
A65-21948
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4
A65-81620
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624
- GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA COLI
A65-82320
- LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR DETERMINATION OF LETHAL CONGENITAL ANOMALIES FROM X-RAY DOSES
N65-23463
- GENETIC RECOMBINATION RESULTING FROM INTERACTION BETWEEN FRAGMENT AND ANNULAR CHROMOSOMES IN ESCHERICHIA COLI K-12 STRAINS
N65-25613
- DIFFERENTIAL DISTRIBUTION OF RNA AND PROTEIN IN RIBOSOMAL FRACTIONS OF ESCHERICHIA COLI
NASA-CR-59068
N65-29388
- STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF ESCHERICHIA COLI
NASA-CR-58980
N65-29416
- FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES PURIFICATION AND RECONSTITUTION OF RIBOSOMAL SYSTEM OF ESCHERICHIA COLI
NASA-CR-59029
N65-29485
- ESTER**
SA POLYESTER
ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION PROTECTION OF MICE TREATED WITH BIS(2-GUANIDOOETHYL) DISULFIDE /GED/
A65-80169
- SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-LIKE SYSTEM
A65-80482

ETHANOL

S ETHYL ALCOHOL

ETHYL ALCOHOL

COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL, AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND INTELLECTUAL PERFORMANCE A65-80159

EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS A65-80161

SMALL DOSES OF ETHANOL AND EFFECT ON DISTANCE PERCEPTION IN HUMANS A65-80405

EFFECT OF ALCOHOL ON PILOT PERFORMANCE A65-81102

SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178

PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598

ALCOHOL EFFECT ON VESTIBULAR APPARATUS WITH PARTICULAR RESPECT TO OCULOMOTOR REGULATORY FUNCTION, AS APPLIED TO BEHAVIOR IN TRAFFIC A65-81722

ALCOHOL EFFECT ON VESTIBULAR APPARATUS - CAUSES AND DIAGNOSIS BY NYSTAGMUS DURING INTOXICATION A65-81723

ETHYL ALCOHOL EFFECT ON GLARE THRESHOLDS DURING DARK ADAPTATION IN DRINKERS AND NONDRINKERS A65-82089

ENZYME ACTIVITY INDICATING LIVER CHANGES DUE TO ALCOHOL INGESTION A65-82098

ETHYLENE

SA TRICHLOROETHYLENE

ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC, AND TOXICOLOGIC OBSERVATIONS A65-80820

ETHYLENE COMPOUND

HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING TRICHLOROETHYLENE AND TETRACHLOROETHYLENE A65-82299

ETHYLENE OXIDE

BACTERIAL DISSEMINATION, REDUCTION OF CONTAMINATION ON SURFACES, AND GERMICIDAL ACTIVITY OF ETHYLENE OXIDE NASA-CR-57148 N65-18915

BACTERIA DISSEMINATION REDUCTION, ETHYLENE OXIDE GERMICIDAL ACTIVITY, AND BACTERIA CONTAMINATION REDUCTION ON SURFACES NASA-CR-63895 N65-29171

ETIOLOGY

ANATOMICAL AND PHYSIOPATHOLOGICAL EFFECTS OF EXPLOSIVE DECOMPRESSION WITH ETIOPATHOGENIC INTERPRETATION - REVIEW A65-80218

PROBLEMS OF BLACKOUT DURING AIRCRAFT FLIGHT A65-81825

AERODONTALGIA - ETIOPATHOGENIC INTERPRETATION A65-81827

EUSTACHIAN TUBE

PHYSIOLOGICAL STUDY OF EUSTACHIAN TUBE WITH VARIOUS FUNCTION TESTS A65-82357

EVACUATION

AEROMEDICAL EVACUATION, ORGANIZATION, PROBLEMS, AND CURRENT DOCTRINE A65-80744

HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF PASSENGER AIRCRAFT DURING ACCIDENTS AM-65-7 N65-18409

SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR EVACUATING AIRCRAFT AND BOARDING LIFE RAFT N65-29756

EVOLUTION

SA ORIGIN

ORIGIN AND EVOLUTION OF LIFE PRIOR TO TWO BILLION YEARS AGO IN PRESENCE OF WEAK MAGNETIC FIELD, NOTING POSSIBLE ENHANCEMENT BY SOLAR WIND A65-23842

ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL BODIES INCLUDING EVIDENCE FOR AND AGAINST BIOGENESIS AND ABIOGENESIS A65-80097

EVOLUTION OF THE ATMOSPHERES OF THE EARTH AND PLANETS A65-80370

PROJECTING BACKWARD FROM THE PRESENT STAGE OF EVOLUTION OF BIOSYNTHESIS - INFORMATION TRANSFER WITHOUT NUCLEIC ACIDS A65-80479

CODING TRIPLET IN EVOLUTION OF HEMOGLOBIN AND CYTOCHROMES C GENES A65-80488

ROLE OF LIGHT IN EVOLUTION - TRANSITION FROM ONE QUANTUM TO TWO QUANTA MECHANISM A65-80489

ORIGIN AND EVOLUTION OF PLANETARY ATMOSPHERES AND OCEANS A65-80889

ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL BODIES AND STRESSES ENCOUNTERED BY MAN DURING SPACE TRAVEL A65-80949

LIFE FORMS ON OTHER PLANETS PROBABLY SIMILAR TO THOSE ON EARTH A65-81219

EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLICAL ORIGIN OF HYDROCARBONS FROM METEORITES A65-81233

EVOLUTION OF LIFE IN RELATION TO DEVELOPMENT OF EARTH CORE A65-81234

MOLECULAR EVOLUTION AND ORIGIN OF LIFE - REVIEW A65-81260

SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER A65-81287

EFFECT OF EVOLUTION OF EARTH ATMOSPHERE ON PRESENCE OF BIOSPHERE ON EARTH A65-81451

PROBABILITIES CONCERNING ORIGIN AND EVOLUTION OF LIFE A65-81738

LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC ACIDS NASA-CR-63246 N65-25590

EVOLUTION IN LIGHT OF CYBERNETICS - CONTROL PROCESSES IN LIVING ORGANISMS N65-32561

D NA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA NASA-TT-F-316 N65-32973

EXCHANGE

S GAS EXCHANGE
S ION EXCHANGE

EXCITATION

SA IONIZATION

TRANSCALLOSAL, EXTRACALLOSAL, AND GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC SHOCK DURING SLEEP AND WAKEFULNESS A65-81380

PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL STRUCTURES OF HOMOGENEOUS EXCITED TISSUE N65-27244

EXCRETION

HUMAN BLACK BOX - DATA OBTAINED WITH EXTERNAL
EXCITATION AND FROM HUMAN AS SOURCE, AND
NATURAL BEHAVIOR IN ENGINEERING TERMS

N65-31241

CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS -
PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS
SYSTEM

JPRS-31577

N65-31520

ELECTRICAL MODEL OF NERVE FIBER AND PROTOPLASM
DIFFUSION PROCESSES DURING EXCITATION OF NERVE

N65-32662

EXCRETION

SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT
POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL
HEMODYNAMICS

A65-80175

RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH
ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN
SICKNESS

A65-80298

PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN

A65-80684

PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN

A65-81625

ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR
SIMULATED AIRCRAFT FLIGHT

A65-81729

EFFECT OF PHYSICAL EXERCISE ON URINARY EXCRETION
OF ELECTROLYTES IN HUMANS

A65-81941

RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN
DOG DURING CHANGE FROM SUPINE TO ERECT POSITION
AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING
WEIGHTLESSNESS SIMULATION

A65-82115

DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS

N65-13641

EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS

N65-13676

EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION

NASA-CR-181

N65-20473

BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS

NASA-CR-184

N65-21738

URINE EXCRETION IN ANIMALS - DEPENDENCE OF
DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE
CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION
IN DRINKING WATER

NASA-TT-F-9337

N65-23793

DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES
OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS
ORGANS

N65-26393

MOOD, MOTILITY, AND 17-HYDROXYCORTICOID
EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT

NASA-CR-63785

N65-28097

GRAPHIC RECORDING OF SECRETORY AND EXCRETORY
PROCESSES USING PIEZOELECTRIC CRYSTAL RECORDING
ELEMENT

JPRS-31269

N65-29182

MATHEMATICAL MODEL USED TO EXAMINE
PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS
IN WHICH HUMAN BODY CONTROLS FLUID AND
ELECTROLYTE DISTRIBUTION - RENAL EXCRETION

RM-4609-PR

N65-31199

COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS

REPT.-282

N65-34517

EXHAUST GAS

EYE AND PULMONARY FUNCTION AS AFFECTED BY DIESEL
EXHAUST GASES

A65-80828

SUBJECT INDEX

AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY

A65-82239

EXOBIOLGY

S BIOASTRONAUTICS

S EXTRATERRESTRIAL LIFE

EXPECTANCY HYPOTHESIS

REACTION TIME TO SECOND OF TWO STIMULI AS FUNCTION
OF INTERSTIMULUS INTERVAL

A65-80851

PSYCHOLOGICAL REFRACTORY PERIOD IN BISENSORY
TRACKING TASK

A65-82288

EXPERIMENT DESIGN

TROUBLESHOOTING INFORMATION PRESENTATION

TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE
EQUIPMENT CHARACTERISTICS

A65-18290

HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS

A65-80438

INSTRUMENTATION AND EXPERIMENTAL CONTROLS NEEDED
TO STUDY PHYSIOLOGICAL EFFECTS OF ATMOSPHERIC IONS

A65-80582

NEW DEVELOPMENTS IN FACET DESIGN AND ANALYSIS

A65-81670

JUSTIFICATION FOR DESIGNING LIFE DETECTION
EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON
KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS
OF BIOLOGICAL MATERIAL

A65-82217

PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN

NASA-CR-172

N65-18500

EXPIRATION

BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS

AMRL-TR-64-133

N65-22476

EXPIRED AIR

SA ALVEOLAR AIR

TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT

A65-80109

FACTORS INFLUENCING CONCENTRATION OF EXPIRED
NITROGEN AFTER BREATHING OXYGEN

A65-80311

EXPLORATION

S LUNAR EXPLORATION

S PLANETARY EXPLORATION

S SPACE EXPLORATION

EXPLORER XVI SATELLITE

MEASUREMENT OF METEOROID ENVIRONMENT FROM EXPLORER
XVI SATELLITE

A65-80399

EXPLOSIVE DECOMPRESSION

ANATOMICAL AND PHYSIOPATHOLOGICAL EFFECTS
OF EXPLOSIVE DECOMPRESSION WITH
ETIOPATHOGENIC INTERPRETATION - REVIEW

A65-80218

AIR EMBOLISM IN MICE AFTER EXPLOSIVE DECOMPRESSION
AND POSSIBLE PREVENTION

A65-81078

GAS BUBBLE FORMATION IN ORGANISMS IN EXPLOSIVE
DECOMPRESSION

A65-81272

CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND
DOGS CAUSED BY EXPLOSIVE DECOMPRESSION

N65-13722

EXPLOSIVE GAS

OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND
CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND
PETROLEUM GAS WITH HYDROGEN SULFIDE

JPRS-30443

N65-25425

EXPOSURE

SA RADIATION EXPOSURE

SUBJECT INDEX

EXTRATERRESTRIAL LIFE

- ELECTROENCEPHALOGRAM CHANGES IN CHEMICAL FACTORY WORKERS FOLLOWING CARBON DISULFIDE POISONING AS RELATED TO TIME SINCE LAST EXPOSURE AND AGE A65-80229
- EFFECT OF PROLONGED EXPOSURE TO CONDITIONS OF ARTIFICIAL ATMOSPHERE ON HUMAN BODY NASA-TT-F-276 N65-11045
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL MAMMALS IN GASEOUS TEST CHAMBER NASA-CR-51657 N65-17056
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS ENVIRONMENTS NASA-CR-53543 N65-17057
- MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE AECL-2240 N65-27471
- IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR RADIATION EXPOSURE CONTROL COUNTERMEASURES RELATIVE TO VARIOUS POST-ATTACK CONDITIONS GTC-54-63-64 N65-33623
- EXTRACTION
SA HYDROLYSIS
SA SEPARATION
- HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST EXTRACTS FROM SPINACH NASA-CR-67374 N65-35580
- EXTRASENSORY PERCEPTION
MENTAL TELEPATHY AS MEANS FOR TELECOMMUNICATION FTD-TT-65-366/164 N65-30448
- EXTRATERRESTRIAL ENVIRONMENT
SA LUNAR ENVIRONMENT
SA PLANETARY ENVIRONMENT
SA SPACE ENVIRONMENT
- SEED GERMINATION OF COMMON PLANT SPECIES IN RAREFIED NITROGEN ATMOSPHERES SIMULATING EXTRATERRESTRIAL ENVIRONMENT A65-32416
- LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR AEROSPACE ENVIRONMENT AMRL-MEMO-M-57 N65-11277
- ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND ALGAE SYSTEMS P-3009 N65-16517
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS, MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING SUBORBITAL AND ORBITAL FLIGHT NASA-TT-F-305 N65-17465
- HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF ORBITING SPACE STATIONS IN EXTRATERRESTRIAL ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION AMRL-TR-64-98 N65-23082
- EXTRATERRESTRIAL LIFE
SA LIFE DETECTOR
- EXTRATERRESTRIAL LIFE, REVIEWING EVIDENCE IN METEORITE AND EXAMINING MEANING OF MARKINGS ON MARS A65-10728
- CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS CONSIDERING DATA TRANSMISSION LIMITATION, LOW SCIENTIFIC PAYLOAD, LANDING IMPACT AND CONTAMINATION A65-10729
- WOLF TRAP DEVICE DETERMINING GROWTH OF MICROORGANISMS BY MEASURING INTENSITY OF LIGHT SCATTERED BY ORGANISMS A65-10731
- EXPERIMENTAL SYNTHESIS OF NUCLEIC ACID AND PROTEIN TO TEST BIOCHEMICAL EVOLUTIONARY HYPOTHESIS A65-14529
- EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS CHROMATOGRAPHY AND MASS SPECTROMETRY
- SUGGESTED EXPERIMENTS IN SEARCH FOR EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM A65-16032
- EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC AND TELEVISION INSTRUMENT PACKAGE FOR TELEMETRY A65-16557
- INSTRUMENTS AND METHODS TO DETECT LIFE ON OTHER PLANETS A65-16817
- EXTRATERRESTRIAL LIFE CONSIDERING MOON AS HOSPITAL, MOONSHIPS TO MARS AND VENUS, DETECTING AND COMMUNICATING WITH EXTRATERRESTRIALS, ETC A65-18236
- AUTOMATED BIOLOGICAL LABORATORY FOR DETECTION AND CLASSIFICATION OF LIFE ON MARS A65-19518
- INTERRELATIONSHIPS AMONG BIOMETEOROLOGY, ANTHROPOLOGICAL ENGINEERING, MEDICINE AND PSYCHOTECHNICS A65-19770
- EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS CHROMATOGRAPHY AND MASS SPECTROMETRY A65-22137
- APPROACHES TO DIRECT AND INDIRECT EXTRATERRESTRIAL LIFE IDENTIFICATION CONCENTRATING ON MICROORGANISMS AND NOTING ROLE OF CARBON A65-22771
- TERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON SPECIMENS OF EUPHORBIA XYLOPHYLLOIDES IN AMMONIA METHANE HYDROGEN-RICH ATMOSPHERES A65-23486
- EXTRATERRESTRIAL LIFE DETECTION ON MARS USING UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC PHYSICAL AND CHEMICAL TESTS A65-26739
- MARTIAN LIFE DEPENDS ON CHEMOGENY, BIOGENY, COENOGENY, SIMILARITY AND DISSIMILARITY TO EARTH AND PHYSICAL AND CHEMICAL ENVIRONMENT A65-28200
- AQUEOUS AND NONAQUEOUS SOLUTIONS, TEMPERATURE LIMITS, GAS HYDRATE FORMATION AND CONNECTION WITH ORIGIN OF LIFE A65-29013
- ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE CONDITIONS A65-29945
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN MAY 1964 A65-30671
- PREVENTION OF BIOLOGICAL CONTAMINATION ON EXTRATERRESTRIAL BODIES A65-30675
- RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN ENVIRONMENT INVESTIGATED, USING CULTURE COLLECTIONS AND SOIL SAMPLES A65-30676
- OPTICAL ACTIVITY IN UV REGION OF SPECTRUM DEVELOPED, USING OPTICAL ROTATION TO DETECT EXTRATERRESTRIAL LIFE A65-30678
- EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE ORANGE REACTION A65-30679
- RESULTS FROM FIELD TESTS OF GULLIVER AND DIOGENES EXPERIMENTS FOR DETECTING LIFE IN SEVERE NATURAL ENVIRONMENTS A65-30681
- MARTIAN CONDITIONS SIMULATED FROM ASTROPHYSICAL DATA FOR MICROBIOLOGICAL INVESTIGATIONS A65-30682
- LIMONITE ENVIRONMENT MAY PROVIDE ECOLOGICAL BASIS FOR RESPIRATORY AND PHOTOSYNTHETIC MARTIAN ORGANISMS A65-30684

EXTRATERRESTRIAL RADIATION

SUBJECT INDEX

- ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS
A65-30685
- MINIMUM FREE LIVING REPLICATING SYSTEM
REQUIREMENTS A65-30686
- ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL
METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE
A65-80080
- EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL
BODIES INCLUDING EVIDENCE FOR AND AGAINST
BIOGENESIS AND ABIOGENESIS A65-80097
- ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES A65-80444
- SIGNIFICANCE AND STATUS OF EXOBIOLOGY /STUDY OF
EXTRATERRESTRIAL LIFE/ IN RELATION TO ORIGIN OF
LIFE A65-80508
- POSSIBILITY OF COMMUNICATION WITH EXTRATERRESTRIAL
CIVILIZATIONS BY RADIO METHODS A65-80825
- ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL
BODIES AND STRESSES ENCOUNTERED BY MAN DURING
SPACE TRAVEL A65-80949
- SOME FORMS OF LIFE FOUND ON EARTH WHICH CAN
SURVIVE CONDITIONS THOUGHT TO EXIST ON MARS
A65-81013
- CHARACTERISTICS OF MARS AND POSSIBILITY OF
EXISTENCE OF LIFE A65-81018
- MARS COLOR CHANGES EXPLAINED ON BASIS OF PHYSICAL
MODEL A65-81159
- LIFE FORMS ON OTHER PLANETS PROBABLY SIMILAR TO
THOSE ON EARTH A65-81219
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO
BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR
ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- LIFE-FORMS IN METEORITES AND THE PROBLEM OF
TERRESTRIAL CONTAMINATION - A STUDY IN METHODOLOGY
A65-81241
- DETECTING LIFE IN OTHER SOLAR SYSTEMS
A65-81263
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS
IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY
OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER
A65-81287
- SUBSURFACE MARINE BIOSPHERE ON MARS
A65-81583
- PHYSICAL BASIS FOR EXTRATERRESTRIAL LIFE DETECTION
AND USE ON MARS A65-81737
- EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO
EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION
DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE
SYSTEMS A65-81851
- LIFE-DETECTION INSTRUMENTATION DEVELOPMENTS IN
CARRYING OUT BIOLOGICAL EXPLORATION ON MARS
A65-81927
- EXTRATERRESTRIAL LIFE, ULTRA-INTELLIGENT MACHINES
AND SPACE EXPLORATION A65-82208
- JUSTIFICATION FOR DESIGNING LIFE DETECTION
EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON
KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS
OF BIOLOGICAL MATERIAL A65-82217
- MARS ENVIRONMENTAL FACTORS SUGGESTING BIOLOGICAL
POSSIBILITIES AND LIFE DETECTION EQUIPMENT TO
- PREVENT CONTAMINATION A65-82218
- NASA PROGRAM FOR BIOLOGICAL EXPLORATION OF MARS AS
SUGGESTED BY NATIONAL ACADEMY OF SCIENCES SPACE
SCIENCE BOARD A65-82219
- FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL
METEORITE **ORGANIZED ELEMENTS** WITH
MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR
ORGANISMS OF EARTH ORIGIN A65-82366
- EXTRATERRESTRIAL LIFE DETECTORS
NASA-SP-56 N65-12268
- RADIOISOTOPIC BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE
NASA-CR-55529 N65-16276
- EXTRATERRESTRIAL LIFE DETECTION INSTRUMENTATION -
MULTIVATOR
NASA-CR-51096 N65-16328
- RADIOISOTOPIC BIOCHEMICAL PROBE OF MICROORGANISMS
FOR EXTRATERRESTRIAL LIFE
NASA-CR-55535 N65-16478
- RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III
MODEL
NASA-CR-56214 N65-16497
- ANNOTATED BIBLIOGRAPHY ON EXTRATERRESTRIAL LIFE
NASA-SP-7015, PT. I N65-16598
- EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM
N65-16608
- BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000 N65-19834
- MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING
NASA-CR-57724 N65-20753
- EXISTENCE OF EXTRATERRESTRIAL LIFE BASED ON DATA
FROM ASTRONOMY, GEOCHEMISTRY AND BIOLOGY
JPRS-29591 N65-23321
- SPACE RELATED BIOLOGY INCLUDING EXTRATERRESTRIAL
ENVIRONMENT STUDIES - ANNUAL REPORT, JUNE 1965
NASA-CR-64060 N65-29773
- ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION
PROBLEM
NASA-SP-75 N65-34227
- EXTRATERRESTRIAL RADIATION
S SPACE RADIATION
- EXTRAVEHICULAR OPERATION
SA ASTRONAUT LOCOMOTION
- THERMAL EQUILIBRIUM OF APOLLO MISSION
EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING
GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT
A65-23618
- EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT
USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR
ANGULAR MOMENTUM TRANSFER A65-35637
- GEMINI PROGRAM - ADVANCES IN OPERATIONAL
CAPABILITY DURING FLIGHT, RENDEZVOUS,
EXTRAVEHICULAR OPERATIONS AND REENTRY
A65-81280
- LUNAR EXPLORATION SPACE SUIT DESIGN FOR
EXTRAVEHICULAR OPERATION A65-81392
- SPACE SUIT DESIGN FOR EXTRAVEHICULAR OPERATION
A65-81403
- HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR
SPACE OPERATIONS N65-16613
- BIOTECHNOLOGICAL PROBLEMS ASSOCIATED WITH
EXTRAVEHICULAR ACTIVITY IN SPACE

SUBJECT INDEX

EYE DISEASE

- JPRS-30152 N65-24348
HUMAN FACTORS RELATED TO REMOTE HANDLING OF
GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND
EXTRAVEHICULAR SPACE OPERATIONS
AMRL-TR-64-122 N65-27891
EXTRAVEHICULAR OPERATION OF VOSKHOD II MANNED
SPACECRAFT - COSMONAUT REPORT DURING PRESS
CONFERENCE N65-28287
- EYE
SA CORNEA
SA INTRAOCULAR PRESSURE
SA OCULAR CIRCULATION
SA RETINA
SA VISION
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE
NUCLEAR DETONATIONS A65-14240
PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN
ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND
OTHER SEVERE OCULAR DAMAGE A65-14385
COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH
GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS
A65-14386
HUMAN EYE PHYSIOLOGY WITH RESPECT TO SENSITIVITY
AND PERCEPTION FOR ASTRONOMICAL OBSERVATION
A65-32922
EDGE EFFECTS OF MOVEMENT OF GRATING BEHIND FIXED
APERTURE LEADS TO SPURIOUS ESTIMATES OF OPTICAL
RESOLUTION IN INSECTS AND MAN A65-36092
ACHROMATIC AXIS OF EYE DETERMINED WITH RESPECT TO
CENTER OF PUPIL A65-36154
CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN
PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN
AT UP TO TWO ATMOSPHERES A65-80052
AUTONOMIC CORRELATES OF ELECTRICAL
EXCITABILITY OF EYE A65-80250
PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT
EFFECTS OF SUNLIGHT ON HUMAN BODY A65-80492
CHANGES IN EYE DURING EXPOSURE TO HIGH OXYGEN
ENVIRONMENTS A65-80605
HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC
CURRENT A65-80748
CORTICAL AND OCULAR ELECTRICAL RESPONSES TO
INTERMITTENT LIGHT STIMULATION IN MAN
A65-80773
EYE AND PULMONARY FUNCTION AS AFFECTED BY DIESEL
EXHAUST GASES A65-80828
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093
OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND A65-81216
INFLUENCE OF ULTRASOUND ON PERMEABILITY OF
BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN
RABBITS A65-81289
SPECTRAL TRANSMITTANCE OF VISIBLE LIGHT BY LIVING
HUMAN EYE A65-81412
MORPHOLOGICAL BASIS AND PHYSIOLOGY OF BINOCULAR
VISION A65-81421
EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT A65-81449
HYPOTHERMIA EFFECT ON EYE - CLINICAL,
BACTERIOLOGICAL, PATHOLOGICAL AND ANATOMICAL
FINDINGS A65-81726
OXYGEN PARTIAL PRESSURE MEASUREMENT IN AQUEOUS
HUMOR AND LENS OF EYE OF ANIMAL - NEW TEST METHOD
A65-81727
VISUAL PERFORMANCE AND EFFECT ON EYE UNDER
CONDITIONS OF VIBRATION OF HUMAN SUBJECT OR OF
VISUAL OBJECT A65-81887
FOVEAL AND PARAFOVEAL COLOR VISION A65-82264
ABSOLUTE JUDGMENTS OF LIGHT INTENSITY WITH EYE
HELD IN CONSTANT STATE OF DARK ADAPTION
AMRL-TR-64-103 N65-14002
SPECTROPHOTOMETRY TO DETECT CATARACTS IN HUMAN EYE
CAUSED BY MICROWAVE RADIATION
RADC-TDR-64-273 N65-14007
COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE
TO HEAD TILT AND BODY ROTATION
GE/EE/64-8 N65-14436
RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES,
EXPOSURE OF MICE TO GAMMA RADIATION, AND
LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS
EXPOSED TO RADIATION
FTD-TT-64-746/162 N65-21208
EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA
AND NEUTRON RADIATION - OPHTHALMOLOGY
N65-21209
ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION
CAMERA AND CALIBRATED MONITOR
CRDL-TM-2-3 N65-22392
OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRIO
AFOSR-65-0042 N65-27933
MUTUALLY INHIBITORY TRANSIENT RETINAL
REACTIONS - PHYSIOLOGY N65-29348
ADVANCED CONCEPTS IN BIOTECHNOLOGY, HUMAN ANALOGS
AND BIONICS - HUMAN ANALOG OF VISUAL SENSOR
PROVIDED INFORMATION ON MECHANISMS AND PROCESSES
CARRIED OUT IN HUMAN EYE
NASA-CR-64177 N65-31050
SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH
RADIATION EFFECTS ON MAMMALIAN EYE
TID-3912/INDEX/ N65-31958
BIOMECHANICS OF CORNEA - APPLICATION TO
INTRAOCULAR PRESSURE MEASUREMENT
NASA-CR-67160 N65-34461
- EYE DISEASE
SA BLINDNESS
SA GLAUCOMA
OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108
RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY
HYPERBARIC OXYGENATION A65-80757
HUMAN ELECTRORETINOGRAM RESPONSE TO SLOW
FLICKERING LIGHT STIMULUS AS RELATED TO COLOR
VISION AND EYE DISEASE A65-80778
INVESTIGATION OF POSSIBILITY OF RADAR INDUCED
CATARACT A65-81073
AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY
MICROWAVE RADIATION IN RABBIT A65-82037
CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR
WORKERS OF VARIOUS AGES A65-82038
MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS
RELATED TO RADIATION INTENSITY AND EXPOSURE TIME
A65-82061
RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION
INJURY DURING IRRADIATION OF VARIOUS PARTS OF

EYE DOMINANCE

SUBJECT INDEX

- HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF ACUTE RADIATION SICKNESS
JPRS-29410 N65-20599
- EYE DOMINANCE**
TEMPORAL PARAMETERS OF BINOCULAR RIVALRY A65-80406
- RIGHT-LEFT RETINAL DIFFERENCES IN TACHISTOSCOPIC IDENTIFICATION RESOLVED AS DUE TO READING HABIT A65-80569
- EYE EXAMINATION**
THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE GRATING A65-32834
- VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL RESPONSE A65-32883
- COLOR VISION- FUNCTIONAL INTERPRETATION OF COLOR PERCEPTION, CLINICAL DIAGNOSTIC TESTS, GENETICS, AND INDUSTRIAL APPLICATIONS A65-80269
- EYE MOVEMENT**
EYE MOVEMENT RECORDER FOR STUDYING VISUAL ILLUSIONS OF ROTATION A65-10545
- EVOKED RESPONSES IN RELATION TO OCULOMOTOR REACTION TIMES AND VISUAL PERCEPTION IN MAN A65-16466
- EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING CONDITIONS A65-22037
- OCULOMOTOR CONTROL DISTURBANCE AND RETINAL IMAGE STABILIZATION DURING FLIGHT CONSIDERING VISUAL TRACKING AND VESTIBULO-OCULAR MECHANISMS A65-24082
- PILOT EYE FIXATIONS WHILE FLYING MANEUVERS WITH BOTH VERTICAL MOVING TAPE INSTRUMENTS AND ROUND DIAL INSTRUMENT A65-30103
- METHODS FOR MEASURING AND REGISTERING EYE TREMOR A65-80046
- INTRINSIC EYE MOVEMENT NOISE DURING VISUAL TASK A65-80048
- HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND MONKEY CAUSED BY ELECTRIC STIMULATION OF SEMICIRCULAR CANAL NERVE A65-80156
- MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING RELATED TO EYE MOVEMENT RECORDED ON ELECTROENCEPHALOGRAM A65-80157
- EYE MOVEMENT PATTERNS AS FUNCTION OF PREVIOUS TACHISTOSCOPIC PRACTICE A65-80247
- FOVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING FUSION MOVEMENTS IN LIGHT ADAPTED EYES A65-80509
- RIGHT-LEFT RETINAL DIFFERENCES IN TACHISTOSCOPIC IDENTIFICATION RESOLVED AS DUE TO READING HABIT A65-80569
- EYE MOVEMENTS MEASURED DURING MICHOTTE LAUNCHING EVENT A65-80594
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION AND OCULOMOTOR REACTION TIMES IN MAN A65-80645
- REDUCING OR STOPPING INVOLUNTARY EYE MOVEMENTS AS RELATED TO RETINAL IMAGE A65-80661
- EYE-MOVEMENT PATTERNS IN SCANNING NUMERICAL DISPLAYS RELATED TO INFORMATION PROCESSING A65-81007
- EYE DYNAMICS STUDIED BY MEANS OF PIEZO-ACCELEROMETER A65-81014
- THREE-DIMENSIONAL RECORDING OF ROTATIONAL EYE MOVEMENTS BY NEW CONTACT-LENS TECHNIQUE A65-81050
- MEASURING MOVEMENTS OF RETINAL IMAGE WITH RESPECT TO RETINA A65-81058
- MEASUREMENT OF EYE MOVEMENT USING MAGNETIC INDUCTION IN CONTACT LENS COIL A65-81061
- EYE AND OTOLITHS A65-81113
- ESTIMATION OF LIGHT STIMULATOR POSITION RELATED TO EYE MOVEMENT A65-81195
- EYE MOVEMENTS DURING OBSERVATION OF MOVING OBJECT A65-81196
- OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81199
- INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL ILLUSIONS A65-81218
- NEW METHOD OF RECORDING EYE MOVEMENT - PHOTONYSTAGMOGRAM A65-81242
- MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT IN SLEEP A65-81483
- ROLE OF CORNEO-CONJUNCTIVAL SENSITIVITY IN AWARENESS OF EYE MOVEMENT DURING VESTIBULAR NYSTAGMUS A65-81506
- CONSISTENCY AND TEST - RETEST RELIABILITY OF SPONTANEOUS AUTONOMIC NERVOUS SYSTEM ACTIVITY /ELECTRODERMAL RESPONSE/ AND EYE MOVEMENT A65-81658
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR APPARATUS A65-81694
- ALCOHOL EFFECT ON VESTIBULAR APPARATUS WITH PARTICULAR RESPECT TO OCULOMOTOR REGULATORY FUNCTION, AS APPLIED TO BEHAVIOR IN TRAFFIC A65-81722
- EYE LID MOVEMENT EFFECT UPON ELECTRO-OCULOGRAPHIC RECORDING OF VERTICAL EYE MOVEMENTS A65-81969
- DEPRIVATION OF DREAMING SLEEP BY TWO METHODS RESULTING IN COMPENSATORY RAPID EYE MOVEMENT A65-82024
- CENTRAL REGULATION OF THE VESTIBULAR SYSTEM - ROTATIONAL STIMULATION AND EYE MOVEMENTS A65-82137
- EFFECT OF TARGET SIZE, LUMINANCE, AND COLOR ON MONOCULAR FIXATION A65-82202
- ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH VARIED EFFERENT INPUT A65-82215
- DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM RAPID EYE MOVEMENT SLEEP A65-82223
- CORTICAL CONTROL OF EYE MOVEMENTS AND VISUAL THRESHOLD AD-453155 N65-18000
- RATE OF NYSTAGMIC FAST COMPONENT PRODUCED BY RHYTHMIC ELECTRICAL STIMULATION OF AMPULLAR RECEPTOR N65-20140
- SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO VESTIBULAR STIMULATION DURING ROTATION JPRS-29571 N65-21363
- PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY DURING ORBITAL SPACE FLIGHT N65-26920
- VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE MOVEMENT NASA-CR-63651 N65-27513

SUBJECT INDEX

FATIGUE /BIOL/

BIOPHYSICS STUDY INCLUDING EYE TRACKING SYSTEM AND STIMULATED EYE MOVEMENT
JPRS-30575 N65-28094

EVALUATION OF LIGHT STIMULATOR POSITION AND MOVEMENTS OF EYES USING HUMAN SUBJECTS
N65-28095

INFORMATION ON TYPES OF EYE MOVEMENT IN EYE TRACKING SYSTEM STUDY
N65-28096

VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY INSTRUCTED TARGET CHARACTERISTICS
T-125 N65-36786

EYE PROTECTION

PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL OF RADIATION OF DIRECT OR REFLECTED BEAMS AS SAFEGUARD TO EYE DAMAGE
A65-21951

DETERMINATION OF ATTENUATING FILTERS REQUIRED FOR EYE PROTECTION AGAINST LASER RADIATION
A65-22614

PILOTS ABILITY TO OPERATE A4D ELF FLASH BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS OF SAFETY
A65-26170

FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO ILLUMINATION AND RADIATION FROM SUN AND ATOMIC BLASTS TOGETHER WITH PROTECTIVE MEASURES
A65-82188

EFFECTIVENESS OF SIMPLE EYE PATCH FOR EYE PROTECTION AGAINST FLASH BLINDNESS AND DESIRABILITY OF USING LARGE NUMBERS OF OBSERVERS IN FLASH BLINDNESS RESEARCH
NADC-ML-6326 N65-27862

EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH LUMINANCES
SAM-TR-65-12 N65-33405

F

F-104 AIRCRAFT
HEART RATE OF TEST PILOTS OF HIGH PERFORMANCE AIRCRAFT AS AFFECTED BY RISK TAKING AND MISSION RESPONSIBILITY
A65-81293

F-106 AIRCRAFT
RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT FOR F-106 JET AIRCRAFT
N65-29761

FABRIC
PROPERTIES OF TEXTILES USED FOR THERMAL RADIATION PROTECTION
TS-132 N65-31974

FACE
TOLERANCES OF HUMAN FACE TO CRASH IMPACT
AM-65-20 N65-34678

FACTOR

- S AGE FACTOR
- S EMOTIONAL FACTOR
- S HUMAN FACTOR
- S PH FACTOR
- S PHYSICAL FACTOR
- S PHYSIOLOGICAL FACTOR
- S PSYCHOLOGICAL FACTOR
- S RACE FACTOR
- S SAFETY FACTOR
- S SEX FACTOR
- S SOCIAL FACTOR
- S TIME FACTOR
- S VIEW FACTOR

FACTOR ANALYSIS
GENERAL ANXIETY EFFECT AS INDEX OF LABILITY ON PERFORMANCE OF PSYCHOMOTOR TASKS USING TAYLOR MANIFEST ANXIETY SCALE - FACTOR ANALYSIS
A65-80021

VISUAL OBSERVATION AND FACTOR ANALYSIS OF OBJECTIVE ELECTRICAL VESTIBULOGRAMS
A65-80261

COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT STAGES OF LEARNING COMPLEX TRACKING TASK
A65-81661

DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS FROM FACTOR ANALYSIS RESULTS
A65-81913

FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT NOISE - MASKING OF SPEECH AND VARIABILITY OF SUBJECTIVE JUDGMENTS
FAA-ADS-42 N65-33435

FAILURE SA SYSTEM FAILURE

BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE RATE DERIVED MATHEMATICALLY AND APPLIED TO SEMICONDUCTOR AND CANCER PROBLEMS - LIFE SURVIVAL TEST
CRC-64-32/RR/ N65-24362

SYSTEM FOR MANAGEMENT OF HUMAN FACTOR IN PHYSICS OF FAILURE
N65-30316

FALLOUT SA RADIOACTIVE FALLOUT

DEATH RATES OF MICROORGANISMS DEPOSITED ON SURFACES OF STAINLESS STEEL AND ELECTRONIC COMPONENTS BY HANDLING AND AERIAL FALLOUT - DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116

FAST NEUTRON
FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING MITOSIS, IN TISSUE CULTURES
A65-80540

DEAMINATION OF ADENINE IN DNA MOLECULE AFTER HYDRATION OF PEA SEEDS EXPOSED TO FAST-NEUTRON IRRADIATION
A65-82180

RELATIVE BIOLOGICAL EFFECTIVENESS OF FAST NEUTRONS FOR STUDYING IRRADIATION DAMAGE OF CELLS
N65-26381

FAT S ADIPOSE TISSUE

FATIGUE /BIOL/
MENTAL TASK EFFECT ON AUDITORY FATIGUE, EXPOSING SUBJECTS TO FATIGUE TONE UNDER CONDITIONS OF MENTAL ARITHMETIC AND REVERIE
A65-17837

EFFECT OF FATIGUE ON AIR TRAFFIC CONTROLLERS
A65-23930

FLIGHT FATIGUE AS RELATED TO VISUAL PROBLEMS AND FLIGHT SAFETY
A65-80028

DISTURBANCE IN DAILY ROUTINE AND EFFECT ON PROFESSIONAL WORKING CAPACITY OF MAN
A65-80047

SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY OF INVOLUNTARY MOVEMENTS
A65-80173

CRITICAL FLICKER FREQUENCY INFLUENCED BY REPEATED MEASUREMENT AND INTERVAL BETWEEN SESSIONS
A65-80456

PHYSICAL WORK CAPACITY OF MAN AND ITS DIMINUTION BY HEAT STRESS
A65-80906

DRUG-INDUCED FATIGUE DECREMENT IN AIR TRAFFIC CONTROL
A65-81573

HEARING LOSS AND AUDITORY FATIGUE IN INDUSTRIAL WORKERS EXPOSED TO DIFFERENT TYPES OF NOISE-CAUSES AND PROGRESS
A65-81678

ELASTIC COMPONENT AND COURSE OF FATIGUE IN DENERVATED MUSCLE OF RAT
A65-81709

INFLUENCE OF LOCAL FATIGUE ON SPEED AND ACCURACY IN MOTOR LEARNING
A65-81759

COORDINATION OF HEART AND RESPIRATORY RATES DURING PHYSIOLOGICAL WORK
A65-81853

- EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES EVOKED BY PHYSICAL EXHAUSTION A65-81923
- COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE A65-82308
- AUDITORY FATIGUE PRODUCED BY HIGH INTENSITY ACOUSTIC IMPULSES REPT.-1158 N65-14366
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING, NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE FAA-AM-64-16 N65-15308
- CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS AND FATIGUE - NUTRITION N65-18595
- PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND OTHER PRIMATES AND USE OF EEG AS FATIGUE INDICATOR DETERMINED FROM PARTIAL SPACE CABIN SIMULATION N65-28773
- BIOLOGICAL FATIGUE IN AIR SAFETY AM-65-13 N65-29792
- PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT BETWEEN OKLAHOMA CITY AND TOKYO AM-65-16 N65-34020
- FATIGUE TEST**
FATIGUE EFFECTS ON PILOT PERFORMANCE AFTER 24 HOUR SIMULATED TRANSPORT FLIGHT SAM-TR-65-16 N65-26570
- FATTY ACID**
FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING HOW THESE PREPARATIONS ARE AFFECTED BY INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE METABOLISM OF GLUCOSE A65-33702
- FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER EXTREME PHYSICAL STRESS A65-80186
- RADIATION PROTECTIVE EFFECT OF ETHYL PALMITATE, OLIVE OIL AND OTHER VEGETABLE OILS IN MOUSE A65-80844
- FAULT MECHANICS**
FAULT ISOLATION/CORRECTION TEXT AND TROUBLESHOOTING DIAGRAMS FOR SAGE MAINTENANCE TECHNICIANS ESD-TR-64-664 N65-19351
- FEAR OF FLYING**
TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX DIFFERENCES RELATED TO DETAILS EXPRESSED IN AIRCRAFT DRAWINGS A65-80458
- FEAR IN MILITARY AVIATOR A65-81824
- FECES**
THYROID SECRETION RATE AND FECAL ELIMINATION IN COLD ACCLIMATED RAT A65-81605
- AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES USING SPACE-TYPE DIETS AMRL-TR-64-107 N65-14829
- FEEDBACK**
SA DEGENERATION
SA REGENERATION
- TIME ESTIMATION- METHODOLOGICAL CONSIDERATION OF POSITIVE FEEDBACK TECHNIQUE A65-80257
- DELAYED FEEDBACK SELF-TRACKING AND RECORDING INSTRUMENT A65-80740
- AFTEREFFECTS OF DELAYED AUDITORY FEEDBACK ON SPEECH. A65-81566
- FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM SELF-PACED MANUAL TASKS - CYBERNETICS NASA-TN-D-2665 N65-17329
- FEEDBACK CONTROL SYSTEM**
AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
- SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING EAR AS CAUSE OF INSTABILITY A65-10738
- HUMAN SPEECH MODEL FOR FEEDBACK CONTROL SYSTEM N65-16618
- FERTILIZATION**
POST FERTILIZATION RECOVERY PROCESS FOR IRRADIATED EGGS AND SPERM OF SEA URCHIN N65-18082
- FETUS**
SA EMBRYO
- ELECTRICAL AXIS OF FETAL HEART N65-16616
- SKIN GRAFT REJECTION IN FETUS OF SHEEP N65-22306
- EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY FETAL AND NEWBORN RATS UR-661 N65-22992
- COMPUTER PROGRAMMING TECHNIQUES TO MONITOR FETUS DURING LABOR AND DELIVERY USING FETAL ELECTROCARDIOGRAMS N65-28753
- FIBER**
SA GLASS FIBER
- ELECTRICAL MODEL OF NERVE FIBER AND PROTOPLASM DIFFUSION PROCESSES DURING EXCITATION OF NERVE N65-32662
- FIBER OPTICS**
OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED BUG, LIXUS, AND TENEBRIO AFOSR-65-0042 N65-27933
- FIBERGLASS**
S GLASS FIBER
- FIBRILLATION**
AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION OF NORMAL RHYTHM A65-80210
- EMBOLISM AND PAROXYSMAL AURICULAR FIBRILLATION NASA-TT-F-8552 N65-18178
- FIBRIN**
FIBRINOLYSIS IN CARBON MONOXIDE POISONING IN ANIMALS A65-80288
- FIBRINOGEN**
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA A65-81378
- FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT A65-82167
- FIELD**
S ELECTRIC FIELD
S ELECTROMAGNETIC FIELD
S GEOMAGNETIC FIELD
S GRAVITATIONAL FIELD
S MAGNETIC FIELD
S POTENTIAL FIELD
S STAR FIELD
S VISUAL FIELD
- FIELD THEORY**
SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA - FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY JPRS-29641 N65-23371
- FIGHTER AIRCRAFT**
PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY SECOBARBITAL AND D-AMPHETAMINE A65-81734
- FIGHTER BOMBER AIRCRAFT**
FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY, PILOT COMFORT, AND SURVIVAL A65-80133

FIGURAL AFTEREFFECT

PARADOXICAL EFFECT OF HOMOGENEOUS LIGHT
STIMULATION ON FIGURAL AFTEREFFECT A65-80093

GAMMA MOVEMENT- APPARENT MOVEMENT IN
FIGURAL AFTEREFFECTS EXPERIMENTS A65-80255

CONTRAST HYPOTHESIS OF FIGURAL AFTER-EFFECTS
A65-80737

MOVEMENT AFTEREFFECTS AND FIGURAL AFTEREFFECTS
A65-81010

TWO DIFFERENT AFTER-EFFECTS OF EXPOSURE TO VISUAL
TILTS A65-81662

ANALYSIS OF SATIATION-FATIGUE MECHANISM OF FIGURAL
AFTER-EFFECTS A65-82257

FILM

SA PHOTOGRAPHIC FILM

PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY
EXPOSURE OF STAINED BLOOD FILMS
UR-663 N65-24622

FILTRATION

CHARACTERISTICS OF IMPACTION AND BIOLOGICAL
FILTRATION AEROSOL COLLECTION MECHANISMS IN
STRATOSPHERE N65-23985

CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS
AND RELATION BETWEEN IRRADIATION DOSAGE AND
FILTRATION OF PRIMARY BEAM
JPRS-30672 N65-26803

FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND
CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN
IRRADIATION DOSAGE AND FILTRATION OF PRIMARY
BEAM N65-26805

FIRE PREVENTION

SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF
ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE
MATERIAL A65-14806

FISH

MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL A65-80424

SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS
GUACAMAIA AND S. LOELESTIUS A65-80815

ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP
/CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384

INFLUENCE OF HYPOXIA ON CONDITIONED RESPONSES OF
FISH N65-17754

IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
COO-1283-12 N65-19822

STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588

RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600 N65-22094

INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR
PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS
LR-18525 N65-23152

RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY,
SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405 N65-24236

FISSION PRODUCT

HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES

AHSB/S/-R-64 N65-25154

PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS -
RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
AEC-TR-6550 N65-27771

FITNESS

S FLIGHT FITNESS
S PHYSICAL FITNESS

FLAGELLATA

GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63 N65-16880

FLASH

EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY
OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL
STIMULATION A65-80191

RCD-CONE INDEPENDENCE IN AFTER-FLASH EFFECT
A65-80804

SPECIFICITY OF CONE INTERACTION IN AFTER-FLASH
EFFECT A65-80805

FLASH BLINDNESS

SA VISION

BLACK BODY AND THERMAL RADIATION FROM NUCLEAR
WEAPONS IN RELATION TO FLASH BLINDNESS
A65-26169

PILOTS ABILITY TO OPERATE A4D ELF FLASH
BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS
OF SAFETY A65-26170

FLASH BLINDNESS AS FUNCTION OF WAVELENGTH
SPECIFICITY A65-81095

A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
SAFE OPERATION TIME AS AFFECTED BY SIZE OF
SUBJECTS PERFORMING TRACKING PROBLEM UNDER
ACCELERATION STRESS A65-81373

FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO
ILLUMINATION AND RADIATION FROM SUN AND ATOMIC
BLASTS TOGETHER WITH PROTECTIVE MEASURES
A65-82188

FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR
EXPLOSION
NADC-ML-6412 N65-15710

EFFECTIVENESS OF SIMPLE EYE PATCH FOR EYE
PROTECTION AGAINST FLASH BLINDNESS AND
DESIRABILITY OF USING LARGE NUMBERS OF OBSERVERS
IN FLASH BLINDNESS RESEARCH
NADC-ML-6326 N65-27862

FLASH TUBE

LIGHT FLASH PROPORTION DETERMINATION DETECTED BY
SUBJECTS AS FUNCTION OF TWO FLASH GROUPINGS AND
TWO LEVELS OF FLASH INTENSITY A65-18293

FLICKER FUSION FREQUENCY

FLICKER PROBLEMS AS RELATED TO PHYSICS,
ELECTRONICS, CELLULAR PHYSIOLOGY,
ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY
A65-80767

NONLINEAR AND SPATIAL EFFECTS IN PERCEPTION OF
FLICKER A65-80768

ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM
DETERMINED BY MEASURING FLICKER THRESHOLD,
BRIGHTNESS, AND PUPILLOMOTOR EFFECT OF MODULATED
LIGHT A65-80770

PHYSIOLOGICAL ASPECTS OF FLICKER ELECTRORETINOGRAM
COMPONENTS AND FREQUENCY CHARACTERISTICS
A65-80771

ELECTROENCEPHALOGRAPHIC RESPONSE DURING
STIMULATION WITH FLICKERING LIGHT IN HUMANS
A65-80772

NEGATIVE FLASHES, POSITIVE FLASHES, AND FLICKER
EXAMINED BY INCREMENT THRESHOLD TECHNIQUE

- A65-81016
 EVOKED POTENTIALS AND CORRELATED JUDGMENTS OF
 BRIGHTNESS AS FUNCTIONS OF INTERFLASH INTERVALS
 A65-81158
- INTERMITTENT LIGHT STIMULATION EFFECT ON CRITICAL
 FUSION FREQUENCY
 A65-81224
- PHASE DIFFERENCE FUNCTION IN BINOCULAR CRITICAL
 FLICKER FREQUENCY
 A65-81411
- VARIABILITY IN FLICKER FUSION FREQUENCY RELATED
 TO COGNITIVE CONTROL AND ATTENTION
 A65-81758
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
 IN RABBITS ADAPTED TO DARKNESS
 A65-81943
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
 BY ELECTRORETINOGRAM AND ELECTROENCEPHALOGRAPH
 RESPONSE TO WHITE LIGHT FLASHES IN RABBITS
 A65-81944
- SENSITIVITY OF RETINAL BLIND-SPOT REGION TO
 STIMULATION BY FLICKER
 A65-82047
- PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
 FUSION
 A65-82260
- BRIGHTNESS ENHANCEMENT RELATED TO FLICKER FUSION
 FREQUENCY AND AS FUNCTION OF OBSERVATIONAL
 TECHNIQUE
 A65-82263
- FOVEAL FLICKER FUSION USING MOVING STIMULUS
 A65-82333
- FUNCTIONAL RELATIONSHIP BETWEEN CRITICAL FLICKER
 FREQUENCY OF TWO IDENTICAL INTERMITTENT TARGETS,
 BINOCULARLY SUPERIMPOSED, AND PHASE DIFFERENCE
 BETWEEN TARGETS
 N65-27217
- EFFECTS OF NONCONTIGUOUS INDUCING FIELDS UPON
 RETINAL FLICKER FUSION FREQUENCY THRESHOLD
 AD-618697
 N65-34895
- FLIGHT**
 S BALLOON FLIGHT
 S HYPERSONIC FLIGHT
 S INTERPLANETARY FLIGHT
 S JET FLIGHT
 S LUNAR FLIGHT
 S PARABOLIC FLIGHT
 S PREFLIGHT OPERATION
 S ROCKET FLIGHT
 S SPACE FLIGHT
 S SUPERSONIC FLIGHT
- FLIGHT CHARACTERISTICS**
 SA AIR SPEED
- AEROECOLOGICAL STUDY OF ALBATROSS FLIGHT
 N65-12528
- SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK
 COMPLEXITIES FOR OPERATIONAL CREWS
 NASA-CR-146
 N65-14449
- FLIGHT CLOTHING**
 SA PRESSURIZED SUIT
 SA PROTECTIVE CLOTHING
- QUATERNARY AMMONIUM COMPOUNDS FOR SANITIZING AND
 DEODORIZING RUBBERIZED FLIGHT CLOTHING AND USE
 OF NONIONIC DETERGENTS FOR RENDERING SYNTHETIC
 MATERIALS ANTISTATIC
 NAEC-AML-2050
 N65-18031
- FLIGHT CREW UNIFORMS EXPOSED TO THERMAL RADIATION
 AD-453922
 N65-18468
- PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH
 ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE
 OF AIR PRESSURE
 FTD-TT-65-258/1&2
 N65-25341
- OPERATIONAL TEST AND EVALUATION OF HGU-15/P
 FLYING HELMET FOR AIRCREW
 TAC-TR-63-31/H/
 N65-27637
- FLIGHT CONDITION**
 SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF
 FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY
 OF HUMANS AND ANIMALS
 NASA-TT-F-228
 N65-13626
- RESPONSE OF ANIMALS AND METHODS TO INCREASE
 RESISTANCE TO FLIGHT CONDITIONS
 N65-13767
- SIGNIFICANCE OF PARASYMPATHETIC NERVOUS SYSTEM
 TONE FOR INCREASING RESISTANCE TO FLIGHT
 CONDITIONS
 N65-13774
- PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS
 UNDER SPACE FLIGHT CONDITIONS
 NASA-TT-F-9597
 N65-36756
- FLIGHT CONTROL**
 SA ATTITUDE CONTROL
 SA IN-FLIGHT MONITORING
 SA MANEUVER
- HUMAN FUNCTION IN COMPLEX FLIGHT CONTROL SYSTEMS
 A65-28291
- FLIGHT CONTROL AND NAVIGATION INSTRUMENTS
 N65-13743
- COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC
 FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING -
 PILOT FACTORS PROGRAM
 REPT.-1-64
 N65-21258
- FEASIBILITY OF MANNED PARTICIPATION IN CONTROL
 OF LARGE LAUNCH VEHICLE
 NASA-TN-D-2807
 N65-23166
- PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT
 CONTROL PROBLEM
 N65-25051
- SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
 FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
 AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
 FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
 RTD-TOR-63-4092
 N65-36724
- FLIGHT DUTY**
 CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
 PERSONNEL AND FLIGHT DUTY
 A65-81950
- FLIGHT FATIGUE**
 AWARENESS DURING FLIGHT AND SENSORY INPUT,
 EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO
 MENTAL PERFORMANCE AND FLIGHT SAFETY
 A65-81295
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
 ALTERATIONS DURING OVERSEAS FLIGHTS
 A65-81296
- QUALITATIVE EVALUATION OF FLIGHT FATIGUE
 N65-13672
- FLIGHT FITNESS**
 USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
 ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
 IN AIRCREW
 A65-80319
- DIABETES DETECTION METHODS IN AEROMEDICAL
 EXAMINATIONS
 A65-81110
- DIAGNOSTIC BATTERY OF INDICES OF PULMONARY
 FUNCTION PROPOSED FOR PHYSICAL EXAMINATION OF
 PILOTS
 A65-81488
- HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
 SELECTION AND EXAMINATION
 A65-81821
- FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL,
 AND GASTROINTESTINAL DISEASES - PERSONNEL
 SELECTION
 N65-13732
- DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL
 AFFLICTED WITH ATHEROSCLEROSIS
 N65-13733
- FLIGHT HAZARD**
 BIOLOGICAL STRESSES AND HAZARDS IN MANNED SPACE
 FLIGHT

SUBJECT INDEX

FLIGHT SIMULATOR

NASA-CR-59405 N65-10045

FLIGHT INSTRUMENT

TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING APPLIED TO CURRENT COMMERCIAL TRANSPORTS, DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND HANDLING QUALITIES A65-14227

PREDICTIVE INFORMATION INSTRUMENTATION AS AID TO JET AIRCRAFT TAKEOFFS A65-15434

FLIGHT INDICATOR FUNDAMENTALS IN TERMS OF CONTROL THEORY AND MAN-MACHINE INTEGRATION A65-21156

PHYSIOLOGICAL PARAMETER RESEARCH AND INSTRUMENTATION DEVELOPMENT PHASES OF LONG RANGE PROGRAM FOR IN-FLIGHT MONITORING IN FLIGHT ENVIRONMENT A65-26166

FULL IFR FLIGHT DISPLAY SYSTEM FOR ROTARY WING OR VERTICAL LIFT AIRCRAFT A65-31823

PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT FLYING N65-13673

VISUAL OBSERVATIONS OF FLIGHT INSTRUMENTS BY PILOT N65-13694

PILOT ERRORS IN INSTRUMENT FLYING N65-13748

PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL VISUAL DISPLAY D228-421-019 N65-19440

FLIGHT PLAN

IN FLIGHT CREW ACTIVITIES COVERING DETAILED FLIGHT PLAN, ACTIVITIES AND PROCEDURES, CHECKLISTS AND SUMMARY A65-12574

OXYGEN CONSUMPTION DETERMINATION DURING STRENUOUS FLYING PROGRAM AT VARIOUS G FORCES A65-24073

FLIGHT SAFETY

SAFETY FACTORS AND ADVANTAGES INVOLVED IN CONTACT LENS UTILIZATION BY COMMERCIAL AND AIRLINE PILOTS A65-24097

FLIGHT FATIGUE AS RELATED TO VISUAL PROBLEMS AND FLIGHT SAFETY A65-80028

FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY, PILOT COMFORT, AND SURVIVAL A65-80133

OCULAR MOTILITY PROBLEMS IN FLYING PERSONNEL RELATING TO SAFETY A65-80148

HUMAN FACTORS IN CAUSE-UNDETERMINED AIRCRAFT ACCIDENTS AND MEASURES FOR IMPROVING FLIGHT SAFETY A65-80726

AWARENESS DURING FLIGHT AND SENSORY INPUT, EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO MENTAL PERFORMANCE AND FLIGHT SAFETY A65-81295

INCREASING RESISTANCE FOR PROTECTION AGAINST PHYSIOLOGICAL HAZARDS IN FLIGHT N65-13646

SUPERSONIC AIR COMMERCE IN U.S., WESTERN EUROPE AND U.S.S.R. - TECHNICAL PROBLEMS, ECONOMY, AND FLIGHT SAFETY FTD-TT-64-463/1&2 N65-14026

FLIGHT SIMULATION

BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS UNDER REAL AND SIMULATED FLIGHT CONDITIONS A65-10725

EXPERIMENTAL INDUCTION OF SOME SENSATIONS CORRESPONDING TO FLIGHT ILLUSIONS OF VESTIBULAR APPARATUS A65-12882

HUMAN FACTOR LABORATORY EMPHASIZING TRANSFER OF TRAINING AND TACTICAL DECISION MAKING A65-13527

OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING COMBINED VARIATIONAL CALCULUS AND PHASE PLANE ANALYSIS A65-14963

PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT WITH ATTENTION TO TFX TYPE AIRCRAFT A65-18428

PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION AND POSITION IN SPACE WHILE UNDERGOING SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION A65-18429

INTENSITY AND DURATION OF BENDS PAINS DETERMINED BY SIMULATED ORBITING LABORATORY FLIGHTS OF VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN DISSOLVED IN BLOOD A65-24074

TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING SOLID STATE AMPLIFIERS A65-24200

DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL CHEMICAL PROCESSES FOR SUSTAINING CREW DURING SPACE FLIGHT SIMULATION ASME PAPER 65-AV-25 A65-24391

VISUAL AND MOTION SIMULATION TECHNIQUES APPLIED IN SPACE FLIGHT RESEARCH A65-29092

SIMULATION EQUIPMENT APPLICATION TO TRAINING OF AIRLINE GROUND AND FLYING PERSONNEL A65-30468

PREMISSION CREW CONDITIONING AND FLIGHT SIMULATION, DETERMINING EFFECT OF SECOBARBITAL TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING MISSION A65-32636

PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT A65-80533

TRAINING OF AIR FORCE PILOTS DURING SIMULATION OF APOLLO FLIGHT A65-81389

ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR SIMULATED AIRCRAFT FLIGHT A65-81729

PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY SECOBARBITAL AND D-AMPHETAMINE A65-81734

BIOENGINEERING - SPACECRAFT ACCELERATION SIMULATION BY HUMAN CENTRIFUGE N65-16603

SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING PERFORMANCE DURING SIMULATED TACTICAL AIR MISSION N65-18379

NAVIGATION AND EMERGENCY TASK LOADING EFFECT ON PILOT PERFORMANCE DURING LOW ALTITUDE HIGH SPEED FLIGHT SIMULATION USATRECOM-TR-64-69 N65-24254

FLIGHT CONDITION SIMULATION FOR PRECISION TRAINING OF PILOTS N65-24863

EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS FTD-TT-65-259/1 N65-25856

PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE HIGH SPEED FLIGHT NASA-TN-D-2793 N65-25925

FATIGUE EFFECTS ON PILOT PERFORMANCE AFTER 24 HOUR SIMULATED TRANSPORT FLIGHT SAM-TR-65-16 N65-26570

FLIGHT SIMULATOR

CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN CONTROL SITUATIONS LIMITED TO USE OF VISUAL

- VESTIBULAR SENSING OF MOTION A65-22032
- SPACE FLIGHT SIMULATORS FOR SELECTING AND TRAINING ASTRONAUTS, EMPHASIZING SIMULATION OF VARIOUS SITUATIONAL STRESSORS A65-23460
- HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS A65-25323
- ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS, INVESTIGATING RODENTS AND SMALL PRIMATES IN CENTRIFUGES A65-30049
- SIMULATOR AND FLIGHT TEST COMPARISON OF PILOT PERFORMANCE TO DETERMINE FLIGHT SIMULATOR REQUIREMENTS ICAS PAPER 64-554 A65-30943
- PHYSIOLOGICAL TESTS ON PILOTS OPERATING FLIGHT SIMULATOR AM-64-18 N65-15209
- EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS ACCELERATION ON PILOT OF FLIGHT SIMULATOR - REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND POSITION IN SPACE NASA-TM-X-51755 N65-23710
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT SIMULATOR IN CARRIER LANDING MANEUVER UNDER KINETIC AND STATIC CONDITIONS NAVTRADEVCE-1432-1-S1 N65-35542
- FLIGHT STRESS**
- SA SPACE FLIGHT STRESS
- PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE A65-24201
- SENSORY AND MOTOR CONTROL SYSTEM OF RETINAL IMAGE AND DISTURBANCE DURING FLIGHT A65-81069
- MEDICAL MONITORING OF HEART RATE PATTERNS DURING VARIOUS FLIGHT STRESS SITUATIONS A65-81292
- FLIGHT STRESS AND SAFETY- AIDS TO PILOT PERFORMANCE A65-81309
- MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT DUTY A65-81826
- MECHANISMS OF MORPHOLOGICAL AND FUNCTIONAL CHANGES IN THE DIGESTIVE SYSTEM ASSOCIATED WITH FLIGHT STRESS A65-81831
- NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND REDUCTION OF DATA, AND PATTERN AND CORRELATION ANALYSIS N65-28757
- POSTFLIGHT URINARY DETERMINATIONS USED FOR EVALUATING FLIGHT STRESS IN PILOTS IN RELATION TO FLYING PROFICIENCY SAM-TR-64-88 N65-31787
- FLIGHT SURGEON**
- FLIGHT SURGEONS MEDICAL EQUIPMENT A65-80236
- FLIGHT TEST**
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME EXPERIMENTAL RESULTS A65-80438
- ASSESSMENT OF FLYING SKILL BY FLIGHT TEST A65-81367
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS IN ORBITAL FLIGHT NASA-TT-F-9593 N65-36752
- FLIGHT TIME**
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT MASS SPECTROMETER AMRL-TR-64-84 N65-12974
- FLIGHT TRAINING**
- APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS MERCURY AND GEMINI AIAA PAPER 65-274 A65-22105
- COMMON KNOWLEDGE CONCEPT PERMITTING COCKPIT CREW MEMBERS SAME KNOWLEDGE LEVEL REGARDING AIRCRAFT SYSTEMS AND NORMAL/ABNORMAL SYSTEMS OPERATION A65-22175
- FLIGHT SURGEON ROLE IN FLIGHT TRAINING - PSYCHOLOGICAL ASPECTS A65-80019
- FLIGHT AND PHYSICAL TRAINING FOR AIRCREWS A65-80892
- PILOT RELIABILITY AND SKILL RETENTION FOR SPACE FLIGHT MISSIONS A65-81305
- MOTIVATION AND PERSONALITY FACTORS IN TRAINING AND MENTAL STRESS OF STUDENT PILOTS A65-81328
- PREDICTION OF PERFORMANCE IN EARLY STAGES OF FLIGHT TRAINING A65-81331
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING A65-82128
- SMALL VISUAL ACUITY DEFECT IN RELATIONSHIP TO COMPLETION OF FLIGHT TRAINING AND IN OPERATIONAL FLYING REPT.-2 N65-11096
- FUNCTIONAL EVALUATION OF BLOOD CIRCULATION AND USE IN SELECTING AND TRAINING FLYING PERSONNEL N65-13652
- SELECTION OF INDIVIDUALS FOR FLIGHT TRAINING N65-13674
- INDIVIDUAL DIFFERENCES IN SENSITIVITY TO HYPOCAPNIA AND USE OF HYPERVENTILATION IN SELECTION OF CANDIDATES FOR FLIGHT TRAINING N65-13720
- HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND TRAINING OF FLIGHT PERSONNEL N65-13753
- AERIAL GUNNERY, LOW LEVEL FLIGHT, AND NAVIGATION TRAINING FOR HELICOPTER OPERATIONS N65-15738
- FLIGHT TRAINING PERSONNEL ATTRITION RATES BUMED-40 N65-17242
- OPERATOR TRAINING REQUIREMENTS FOR AIR CUSHION VEHICLES NAVTRADEVCE-1557-1 N65-23085
- MEDICO-BIOLOGICAL STUDIES OF FLIGHT CONDITIONS AND TRAINING - GRAVITY LOAD, WEIGHTLESSNESS, FLIGHT SIMULATION JPRS-29999 N65-24861
- DEVELOPMENT OF MOTION SICKNESS QUESTIONNAIRE FOR EARLY IDENTIFICATION OF FLIGHT TRAINING STUDENTS SUSCEPTIBLE TO MOTION SICKNESS NSAM-916 N65-25215
- INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135 AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS FUNCTIONS OF CREW EXPERIENCE AND SELECTED MISSION SEGMENTS AMRL-TR-65-18 N65-30156

SUBJECT INDEX

FLYING PERSONNEL

- AVIATION MEDICINE MANUAL FOR PERSONNEL TRAINING
NASA-TT-F-8403 N65-33950
- PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS
PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING
NSAM-932 N65-36226
- FLOTATION SYSTEM
FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT
PASSENGER SEAT CUSHIONS N65-29755
- FLOW
S BLOOD FLOW
S HARTMANN FLOW
S LAMINAR FLOW
S LIQUID FLOW
S TURBULENT FLOW
S WATER FLOW
- FLOW METER
BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER
TO DETERMINE CARDIAC OUTPUT
NASA-CR-58985 N65-32091
- FLOW VELOCITY
BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH
MOUNTAIN ENVIRONMENT ACCLIMATIZATION N65-17821
- FLUID
SA BODY FLUID
SA CEREBROSPINAL FLUID
SA GAS
SA HYDRAULIC FLUID

FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH
RADIOACTIVE POTASSIUM 42 A65-81543
- FLUID FLOW
S LIQUID FLOW
- FLUORESCENCE
SA PHOSPHOR
SA SELF-LUMINOUS BODY
SA X-RAY FLUORESCENCE

KINETICS OF PHOTOSYNTHETIC FLUORESCENCE INDUCTION
RELATED TO OXYGEN PRODUCTION IN CHLORELLA
PYRENOIDOSA A65-81763

SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE
ACTIVITY MEASURED BY FLUORESCENT ASSAY
NASA-CR-50919 N65-16278

FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL
INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN
IRRADIATED BIOLOGICAL CELLS N65-23457
- FLUORESCENT EMISSION
GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS
NSL-65-23-1 N65-34281
- FLUORIDE
SA HYDROGEN FLUORIDE

FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE,
CHLORELLA PYRENOIDOSA A65-80618
- FLUORINE COMPOUND
AGING EFFECT ON PROTECTIVE POTENCY OF STANNOUS
FLUORIDE SOLUTION - DENTISTRY
SAM-TR-65-15 N65-26618
- FLUORO COMPOUND
INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE A65-30077
- FLUOROSCOPY
ROENTGEN VIDEO EQUIPMENT STUDIES OF HEART AND
LUNG DURING POSITIVE ACCELERATION - FLUOROSCOPY
NASA-CR-57958 N65-21324

FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS
OF DISEASE N65-30223
- FLUX DENSITY
RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS
MEASURED FOR EVALUATING WORKING CONDITIONS OF
AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/1&4 N65-32289
- FLYING
SA FEAR OF FLYING
SA HIGH ALTITUDE FLYING
SA HIGH SPEED FLYING

MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN A65-80137

PHYSIOLOGY OF FLYING N65-24733
- FLYING PERSONNEL
SA ASTRONAUT
SA ORBITAL WORKER
SA PILOT

FLIGHT FATIGUE AS RELATED TO VISUAL PROBLEMS AND
FLIGHT SAFETY A65-80028

INSTANTANEOUS HEART ACCELERATION DURING X-15
AIRCRAFT FLIGHT A65-80082

OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108

SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112

LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL A65-80115

ELECTROENCEPHALOGRAPHY IN DIAGNOSIS OF EPILEPSY IN
FLYING PERSONNEL A65-80121

VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124

PROBLEMS POSED BY ATYPICAL VENTRICULAR
REPOLARIZATION DURING SELECTION AND CONTROL OF
FLYING PERSONNEL A65-80126

EVALUATION OF PHYSIOLOGICAL SYNCOPES IN AVIATION
PERSONNEL A65-80147

OCULAR MOTILITY PROBLEMS IN FLYING PERSONNEL
RELATING TO SAFETY A65-80148

SURGERY IN CASES OF OTOSCLEROTIC DEAFNESS IN
FLYING PERSONNEL A65-80217

USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW A65-80319

TUBERCULOSIS IN FLYING PERSONNEL OF POLISH AIR
FORCE - FACTORS IN DEVELOPMENT AND TREATMENT
A65-80445

HANDBOOK OF AVIATION STATISTICS A65-80532

PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS
IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT
A65-80533

OPINIONS OF JAPANESE FLYING PERSONNEL CONCERNING
PREVENTION OF CIVIL AIRCRAFT ACCIDENTS A65-80552

CIVIL AVIATION AND USE OF CONTACT LENSES A65-80580

FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND
MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS
A65-80730

NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT
PERSONNEL A65-80873

DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL A65-80896

- DECOMPRESSION CHAMBER TEST IN OTORHINOLARYNGOLOGICAL EVALUATION OF FLIGHT PERSONNEL A65-80915 N65-13650
- PACAF MEDICAL CONFERENCE 1964, INCLUDING AEROSPACE MEDICAL PROBLEMS OF FLYING PERSONNEL- HEARING, MOTION SICKNESS, AERODONTALGIA AND PERSONNEL TRAINING A65-81430 N65-13651
- TOOTHACHE PROVOKED BY LOWERED BAROMETRIC PRESSURE DURING FLIGHT- CASE HISTORIES OF FLYING PERSONNEL A65-81435 N65-13673
- TOOTHACHES DURING AIRCRAFT FLIGHT- BAROTRAUMA AND PREDISPOSING FACTORS PRODUCING PAIN A65-81437 N65-13707
- MEASUREMENT OF FAT CONTENT OF REPUBLIC OF KOREA FLYING PERSONNEL A65-81489 N65-13724
- MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION A65-81520 N65-13725
- ELECTROCARDIOGRAMS OF PILOT WITH ARTERIOVENTRICULAR BLOCK TAKEN DURING PHYSICAL EXAMINATIONS OVER TWENTY-YEAR PERIOD A65-81772 N65-13756
- HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS TO PERSONNEL MANAGEMENT A65-81783 N65-15169
- USE OF CONTACT LENSES BY FLYING PERSONNEL A65-81786 N65-18468
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN LINE OF DUTY A65-81809 N65-26948
- INJURY IN FLYING PERSONNEL OF SPINAL COLUMN FROM AVIATION SERVICE A65-81816 N65-33950
- BACKACHE IN AIRPLANE AND HELICOPTER FLYING PERSONNEL RESULTING FROM ACCIDENTS, INCREASING AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY A65-81818 N65-31787
- AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING AUDIOMETRY IN SELECTING FLYING PERSONNEL A65-81830 N65-26804
- CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING PERSONNEL AND FLIGHT DUTY A65-81950 N65-80099
- VISUAL OBSERVATION OF H-RESPONSE IN ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL EXPOSED TO PHOTIC STIMULATION AS RELATED TO MIGRAINE A65-81974 A65-81396
- COLOR VISION OF FLYING PERSONNEL TESTED BY CHROMATOSCOPE TEST METHOD A65-81975 A65-81556
- 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE EFFECTS ON PSYCHOMOTOR PERFORMANCE IN FLYING PERSONNEL A65-81995 A65-18584
- TEAM APPROACH TO MEDICAL MANAGEMENT OF DECOMPRESSION SICKNESS IN AIRMEN A65-82033 A65-18588
- PHYSICAL PERFORMANCE OF NAVAL AVIATOR TRAINEES FROM VARIOUS PROCUREMENT SOURCES AS RELATED TO DURATION OF TRAINING SYLLABUS A65-82117 A65-18600
- POSTURE, TOWER TRAINING, AND AGE OF FLYING PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF SPINE DURING EJECTION A65-82125 A65-18999
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING EQUIPMENT A65-82362 A65-21181
- SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE AND BAROTRAUMA EXPOSURE A65-82371
- AVIATION PSYCHOLOGY FOR FLYING PERSONNEL FTD-MT-64-177 N65-11758
- MEDICAL EXAMINATIONS OF FLIGHT PERSONNEL
- PSYCHOPHYSIOLOGY OF OBESITY IN FLIGHT PERSONNEL N65-13651
- PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT FLYING N65-13673
- TESTING HEARING BY USING SPEECH AUDIOMETRY TO DETERMINE WORD GROUP PERCEPTION IN FITNESS EXAMINATIONS OF FLIGHT PERSONNEL N65-13707
- CHANGES IN VECTORCARDIOGRAM OF FLIGHT PERSONNEL IN EARLY STAGES OF HYPERTENSION N65-13724
- ELECTROCARDIOGRAM CHANGES IN FLIGHT PERSONNEL AFTER PROLONGED NONSTOP FLIGHTS IN TURBOPROP AIRCRAFT N65-13725
- ELECTROENCEPHALOGRAPHIC EXAMINATION OF PERFORMANCE OF PERSONNEL DURING LONG FLIGHTS N65-13756
- INVESTIGATION OF CARDIOVASCULAR, NEUROLOGICAL, PULMONARY, VISION, AUDITORY, AND BIOCHEMICAL SYSTEMS FOR STUDY OF AGING IN AVIATION PERSONNEL AM-64-1 N65-15169
- FLIGHT CREW UNIFORMS EXPOSED TO THERMAL RADIATION AD-453922 N65-18468
- HELMETS, EARPHONES, AND MICROPHONES FOR FLYING PERSONNEL AD-461367 N65-26948
- AVIATION MEDICINE MANUAL FOR PERSONNEL TRAINING NASA-TT-F-8403 N65-33950
- FLYING QUALITY
- POSTFLIGHT URINARY DETERMINATIONS USED FOR EVALUATING FLIGHT STRESS IN PILOTS IN RELATION TO FLYING PROFICIENCY SAM-TR-64-88 N65-31787
- FOCUS
- ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS, QUALITATIVE AND QUANTITATIVE CHARACTERISTICS, DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE N65-26804
- FOOD
- SA DIET
- SA FROZEN FOOD
- SA NUTRITION
- SA SPACE FLIGHT FEEDING
- SA SPACE FOOD
- CONTINUOUS CULTURE APPARATUS FOR BACTERIUM, HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION OF HYDROGEN PRODUCED BY ELECTROLYSIS OF WATER IN CLOSED-CYCLE SPACE SYSTEM A65-80099
- SYNTHETIC FOOD PRODUCED FROM CULTURE OF MICROORGANISMS ON KEROSENE A65-81396
- DEVELOPMENT OF DEHYDRATED MEAT AND FISH SALADS FOR MILITARY AND SPACE USE A65-81556
- SENSORY STIMULATION AS RELATED TO NUTRITION AND FOOD - APPETITE FACTOR N65-18584
- GAS FORMATION AND EXPULSION FOLLOWING INGESTION OF CERTAIN FOODS N65-18588
- FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION, STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND BALLAST N65-18600
- IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND SHELF LIFE UCD-34P80-2 N65-18999
- ENVIRONMENTAL AND FOOD CHAIN RADIOACTIVE CONTAMINATION LEVEL DETERMINATION EUR-2107.F N65-21181

- LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORD-626 N65-22081
- PROTECTIVE ROLE OF FOOD AND VITAMINS IN RADIATION INJURIES TO ORGANISM N65-24942
- ECONOMIC IMPACT OF PRESERVATION OF FOOD BY IRRADIATION - RADIATION STERILIZATION, PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- ECONOMIC FEASIBILITY OF RADIATION PASTEURIZATION OF SELECTED PRODUCE COMMODITIES
TID-21628 N65-25879
- PASTEURIZATION OF FRUITS BY IRRADIATION FOR REDUCING SPOILAGE AND EXTENDING MARKET LIFE - FOOD TECHNOLOGY
TID-21710 N65-27607
- RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/1&2 N65-27857
- IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS, OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY, MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND SPECTROPHOTOMETRY
EUR-2402.F N65-29855
- STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902
- FOOD INTAKE**
EFFECT OF SHORT-TERM AND LONG-TERM FOOD DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC LESIONS A65-80653
- PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL ACTIVITY IN HOT ENVIRONMENT AND RELATION TO APPETITE AND BODY TEMPERATURE A65-80900
- NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN UNDER COMBINED RESTRICTION OF FOOD AND WATER DURING EXERCISE IN AIR CONDITIONED ROOM A65-80969
- INFLUENCE OF SEASONAL VARIATION, DIET, AND PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN ANTARCTICA A65-81308
- CIRCULATORY AND VENTILATORY RESPONSES TO POSTPRANDIAL EXERCISE A65-81361
- RADIATION EFFECT ON FOOD SATIATION IN RHESUS MONKEY A65-81546
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION, AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO HEAT AND COLD A65-81604
- RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED BY ACCELERATION A65-82207
- FORECASTING**
S PREDICTION THEORY
- FORM PERCEPTION**
OBSERVER JUDGMENT OF HOMOGENEOUS WHITE FORMS, SLANT AND SHAPE UNDER REDUCED MONOCULAR VIEWING AND AT VARIOUS DEGREES GEOMETRIC SLANT A65-22466
- RECEIVER-OPERATING-CHARACTERISTIC CURVES FOR RECOGNITION OF VISUAL PATTERNS A65-80614
- BINOCULAR BRIGHTNESS AVERAGING AND CONTOUR INFORMATION A65-80861
- INTERACTION OF FORM AND EXPOSURE TIME IN PERCEPTION OF SLANT A65-81004
- PERCEPTION OF CONTOURS IN CENTRAL FOVEA IN MAN A65-81079
- VISUAL PATTERN DISCRIMINATION AS FUNCTION OF SPATIAL DISTANCE CHARACTERISTICS AND EXPOSURE DURATION A65-81166
- ROLE OF APPARENT SLANT IN SHAPE JUDGMENTS A65-81341
- RECOGNITION MEMORY FOR RANDOM SHAPES AS FUNCTION OF COMPLEXITY, ASSOCIATION VALUE, AND DELAY A65-81342
- VISUAL DISCRIMINATION OF SHAPE BY HUMANS - MATRIX FIGURES AND MINIMAL AREA CHANGES A65-81410
- RETINAL LOCATION OF INTERNAL PERCEPTUAL SYSTEM NOISE AND REDUNDANCY IN SIMULTANEOUS INPUTS IN FORM IDENTIFICATION A65-81525
- VISUAL PATTERN DISCRIMINABILITY AS FUNCTION OF FIGURE COMPLEXITY A65-81664
- PERCEPTION OF DEVIATIONS IN REPETITIVE PATTERNS A65-81982
- PRIMACY OF FORM CRITERION IN PERCEPTUAL JUDGMENTS A65-81985
- PATTERN PERCEPTION USING STABILIZED RETINAL IMAGE A65-82104
- PATTERN PREFERENCE AS FUNCTION OF PATTERN INFORMATION A65-82287
- EFFECT OF EXPOSURE TIME AND INTENSITY ON FORM IDENTIFICATION - DISPLAY SYSTEMS
RADCC-TR-65-16 N65-22252
- FORTRAN**
FORTRAN PROGRAM FOR IBM 1620 COMPUTER TO CALCULATE ISORESPONSE AND VOLUME RESPONSE OF DETECTOR-COLLIMATOR SYSTEM N65-25664
- FOURIER TRANSFORM**
HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING OPERATION RESTRICTED TO BLACK AND WHITE, NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA MODEL A65-35344
- FRACTIONATION**
MATHEMATICAL DETERMINATION OF FRACTIONING COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR EXPLOSIONS
JPRS-30500 N65-25458
- FREE FALL**
SA WEIGHTLESSNESS
FREE FALLS SURVIVED BY HUMANS IMPACTING WATER ENVIRONMENTS UNDER HIGH VELOCITY N65-29760
- FREE RADICAL**
FREE RADICALS INDUCED BY X-RAY IRRADIATION IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF ELECTRONIPARAMAGNETIC RESONANCE SPECTRUM OF DEGRADED DNA A65-27950
- DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME N65-26383
- FREEZING**
REPEATED FREEZING AND THAWING OF CULTURES OF ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND FROZEN WITHOUT CARBON SOURCE A65-32937
- MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE
AAL-TDR-63-26 N65-12189
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30 N65-18972
- EFFECTS OF DIFFERENT FREEZE CYCLES ON BACILLUS CEREUS AND BACILLUS SUBTILIS IN SIMULATED MARTIAN ENVIRONMENT
NASA-CR-64577 N65-32032

FREON

FREON

TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545

VIBRATION EFFECTS ON HUMANS AND ANIMALS,
OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES,
VIBRATION ABSORBERS FOR WORKER PROTECTION, AND
FREON GAS TOXICOLOGY
JPRS-28721 N65-16207

FREQUENCY DISTRIBUTION

PERFORMANCE ON COMPLEX PSYCHOMOTOR ASSEMBLY TASK
UNDER FOUR SPEED CONDITIONS A65-81001

FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN
NORMAL ACUTELY BLED DOGS
UR-662 N65-23105

FREQUENCY MEASUREMENT

AURAL HARMONICS EFFECT ON FREQUENCY DISCRIMINATION
A65-28429

FREQUENCY RESPONSE

RESPONSES TO ACOUSTIC STIMULI FROM FREQUENCY-
SELECTIVE SINGLE UNITS IN EIGHTH NERVE OF GREEN
FROG A65-15773

VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN
RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL
RESPONSE A65-32883

SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN
OPERATOR A65-35477

SHORT TERM MEMORY USING RESPONSE VECTORS
EQUIVALENT TO DICHOTOMOUS SCORES
ESD-TR-64-678 N65-19353

FROG

MICROWAVE EFFECT ON NERVE FUNCTIONAL STATE IN
FROGS A65-80747

OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022

ADVANTAGE OF ONE-LEAD ELECTROMYOGRAM AS
DEMONSTRATED IN MAN AND FROG A65-81880

MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE
AAL-TDR-63-26 N65-12189

MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE
UCRL-12389 N65-19461

ELECTRICAL PARAMETERS MEASURED FOR DETERMINING
INFLUENCE OF IONIZING RADIATION ON
SUBMICROSCOPIC STRUCTURE OF STRIATED FROG
MUSCLES N65-26382

DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561

MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND
NERVOUS SYSTEM OF FROGS
ATD-T-65-39 N65-28123

EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE
ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS
JPRS-31013 N65-28142

INFORMATION PROCESSING PROPERTIES OF RETINA IN
FROG
AMRL-TR-65-24 N65-32303

FROSTBITE

ARCTIC MEDICINE AND BIOLOGY - FROSTBITE
N65-24301

FROZEN FOOD

LABORATORY CONTROL OF FROZEN FOOD USED ONBOARD
FLIGHTS OF SABENA AIRLINES A65-81790

DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION N65-18583

SUBJECT INDEX

FUEL CONTAMINATION

IGNIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN A65-30138

FUEL OIL

MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS
JPRS-31360 N65-29790

FUME

SA GAS

PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS
INSECTICIDES, CARBON MONOXIDE AND METHANE
EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC
FUMES
JPRS-30976 N65-28291

PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING
INHALATION OF FUMES EMANATING FROM SPECIMENS
OF FIBER GLASS REINFORCED PLASTIC

N65-28293

FUNCTION

S ANALYTIC FUNCTION
S CORRELATION FUNCTION
S ERROR FUNCTION
S GAMMA FUNCTION
S HEART FUNCTION
S MUSCULAR FUNCTION
S PULMONARY FUNCTION
S RENAL FUNCTION
S TIME FUNCTION
S TRANSFER FUNCTION
S WORK FUNCTION

FUNCTION TEST

SA DIAGNOSIS

CONTINUOUS RECORDING OF HEART RATE BY MEANS OF
PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH
A65-80008

RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI
DURING TRANSVERSE ACCELERATION A65-80117

HEART MINUTE VOLUME AS QUADRATIC FUNCTION OF
OXYGEN UPTAKE IN NORMAL MEN DURING PHYSICAL
EXERCISE A65-80403

ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR
FUNCTION TEST A65-80556

MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557

CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME A65-80693

MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS -
INTERPRETATION AND MODIFICATION ACCORDING TO AGE
AND TRAINING A65-80695

OBJECTIVE REPRESENTATION OF STRESS IMPOSED IN
CIRCULATORY FUNCTION TESTS A65-81493

STUDIES ON VISUAL EVOKED RESPONSE - USE OF 0.06
DEGREE RED TARGET FOR EVALUATION OF FOVEAL
FUNCTION A65-81532

CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND
EXERCISE HABITS - POTENTIAL CARDIAC RISK AND
SCREENING TEST A65-81599

BIOCHEMICAL DATA CORRELATION IN HARVARD STEP-UP
FUNCTION TEST AS INDICATIVE OF PHYSICAL FITNESS
A65-81719

BARANY CHAIR TEST OF LABYRINTH FUNCTION AS
CRITERION FOR PILOT SELECTION A65-81808

HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION A65-81821

EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842

- FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION OF HUMAN SUBJECT DURING EXERCISE
A65-81845
- DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS FROM FACTOR ANALYSIS RESULTS
A65-81913
- ELECTRORETINOGRAMS CHARACTERISTIC OF VARIOUS AREAS OF RETINA AND USE OF TECHNIQUE AS FUNCTION TEST
A65-82075
- EVALUATION OF EXERCISE ELECTROCARDIOGRAM FOR NORMAL RANGE BASED ON DATA FROM HEALTHY MEN
A65-82211
- A SIMPLE WORK CAPACITY TEST - CT170, A CARDIAC FUNCTION TEST
A65-82356
- PHYSIOLOGICAL STUDY OF EUSTACHIAN TUBE WITH VARIOUS FUNCTION TESTS
A65-82357
- FUNCTIONAL ANALYSIS
RELATIONSHIP BETWEEN DURATION OF CARDIAC CYCLE AND VENTRICULAR EXCITATION TIME IN NORMAL SUBJECTS AS COMPUTED BY WALLER-BAZETT EQUATION
A65-80764
- FRAMEWORK FOR REPRESENTING AND INVESTIGATING FUNCTIONAL PROPERTIES OF COGNITION
A65-82040
- METHODS, FUNCTIONAL NATURE, AND DIALECTICS OF FUNCTION AND STRUCTURE IN CYBERNETIC MODELING
JPRS-29053
N65-18365
- FUNGUS
SA SPORE
SA YEAST
- BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES, ALGAE, AND YEAST
A65-80878
- GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS EXPOSED TO TOTAL BODY IRRADIATION
N65-25658
- G**
- G FORCE
SA ACCELERATION STRESS
SA GRAVITY
- IMPACT STRESS IN CHIMPANZEES SUBJECTED TO G FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC DEHYDROGENASE AND LDH ISOENZYME ANALYSIS
A65-22911
- OXYGEN CONSUMPTION DETERMINATION DURING STRENUOUS FLYING PROGRAM AT VARIOUS G FORCES
A65-24073
- G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G
A65-80369
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL ORGANISM
N65-16405
- DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS - CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET SLED AND EFFECT OF VARIOUS DECELERATION FACTORS ON HUMAN RESTRAINED BY STRAPS
AD-609412
N65-19676
- ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP - EFFECT ON MOTION AND POSITION, AND SAFETY PROBLEMS OF HIGH G FORCE
N65-19678
- RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION STRESSES
NASA-CR-236
N65-32926
- PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES - REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER
- CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958
N65-34775
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES AFTER ADMINISTRATION OF VARIOUS DRUGS
N65-34776
- GALVANIC SKIN RESPONSE
S ELECTRODERMAL RESPONSE
- GAMMA FUNCTION
GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL RESULTING FROM NEUTRON ACTIVATION OF SOIL BY NUCLEAR EXPLOSION
UCRL-12339, VOL. I
N65-22984
- GAMMA RADIATION
SA NUCLEAR RADIATION
SA SPACE RADIATION
- EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE BLOOD AND ERYTHROCYTES
A65-21941
- RADIATION PROTECTION BY SEVERAL DRUGS IN MOUSE
A65-80095
- DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION
A65-80537
- ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION HEMOGLOBIN IN RATS
A65-80538
- USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST RADIATION DAMAGE TO TISSUE CELLS
A65-80542
- AET /S, 2-AMINOETHYLISOTHIOUREA-DI-HBR/ AS RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS
A65-80741
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES
A65-80927
- PECULIARITIES OF PROTECTIVE EFFECT OF BETA-MERCAPTOETHYLAMINE DURING FORMATION OF CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS IRRADIATED WITH GAMMA-RAYS
A65-81190
- GAMMA RADIATION EFFECT ON OPERANT WATER-REINFORCEMENT BEHAVIOR IN RAT
A65-81547
- EFFECT OF RADIATION ON AUDITION AND CONDITIONED RESPONSES IN SPANISH GOAT
A65-81570
- EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON CHROMOSOMES OF PLANT SEEDS
A65-81601
- PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF RATS EXPOSED TO X-RAY AND GAMMA RADIATION
A65-81767
- USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL SPECIMENS
A65-81970
- WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA DURING EXPOSURE TO VIBRATION, ACCELERATION AND GAMMA-RADIATION
A65-82077
- COMPARATIVE STUDY OF DAMAGE TO HEMOPOIETIC SYSTEM AND PARTICULATE COMPONENTS OF PERIPHERAL BLOOD BY HIGH ENERGY PROTONS AND GAMMA RADIATION IN RATS
A65-82179
- SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING GAMMA RADIATION EXPOSURE IN RABBITS
A65-82240

GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION
BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA
COLI A65-82320

GENETIC CROSSOVER IN DROSOPHILA MALES UNDER
INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA
RADIATION N65-10066

NATURAL GAMMA RADIATION SOURCES AND RADIOACTIVE
ISOTOPES N65-12627

EVALUATIONS OF PLASTIC BADGES CONTAINING BETA,
GAMMA, AND NUCLEAR TRACK FILM FOR USE IN
PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333

RADIATION INDUCED CHANGES IN ADENOSINE
TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO
CHRONIC GAMMA IRRADIATION AND INFLUENCE OF
VARIOUS FACTORS ON ACUTE RADIATION INJURY
N65-19218

RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES,
EXPOSURE OF MICE TO GAMMA RADIATION, AND
LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS
EXPOSED TO RADIATION
FTD-TT-64-746/1&2 N65-21208

EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA
AND NEUTRON RADIATION - OPHTHALMOLOGY
N65-21209

CORRELATION OF RADIATION DISEASE DATA IN MICE WITH
LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE
RANGE DIFFERENCE DUE TO INDIVIDUAL
N65-21210

GAMMA RAY SPECTROSCOPY OF MAN - LONG TERM EFFECTS
OF RADIUM DEPOSITION, MEASURING TECHNIQUES,
RADIUM DISTRIBUTION AND RETENTION, AND CESIUM
AND POTASSIUM ACCUMULATION
ANL-6839 N65-21241

PROTECTION AGAINST X- AND GAMMA RADIATION IN
MICE PRETREATED WITH 2-AMINOETHYLISOTHIOURONIUM
BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE
CREATININE SULFATE AND IN NONTREATED MICE
UCLA-12-552 N65-21824

LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION
OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORO-626 N65-22081

ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN
BIOLOGICAL AND MEDICAL RESEARCH
TID-3580 N65-22098

MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS
RRA-T45 N65-22222

MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS
AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE
AECL-2240 N65-27471

COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039

EFFECT OF PENETRATING RADIATION ON VESTIBULAR
FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE
WHOLE-BODY GAMMA IRRADIATION N65-31381

RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60
GAMMA RADIATION AND X-RAYS ON CARTILAGE OF
YOUNG RABBIT LARYNX
ANL-TRANS-121 N65-32833

MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679

EFFECT OF GAMMA RADIATION AND VIBRATION ON
DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION
BALANCE OF ERYTHROCYTES
FTD-TT-65-585/1&2&4 N65-34868

GAS

SA AIR
SA ATMOSPHERE
SA EXHAUST GAS
SA EXPLOSIVE GAS
SA FUME
SA IONIZED GAS
SA RARE GAS
SA RAREFIED GAS

ELECTROCARDIOGRAM QRS COMPLEX ELECTRICAL AXIS AS
AFFECTED BY POSTURE AND GASTRIC DILATION A65-82101

BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL
MAMMALS IN GASEOUS TEST CHAMBER
NASA-CR-51657 N65-17056

GAS FORMATION AND EXPULSION FOLLOWING INGESTION OF
CERTAIN FOODS N65-18588

OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD
GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL
REVIEW BNL-898 N65-23230

CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS
OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392

POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE
DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION
OF HABITABLE GASES - MANNED SPACECRAFT
APPLICATION
AMRL-TR-65-26 N65-30853

GAS ANALYZER

MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN
RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT
MASS SPECTROMETER
AMRL-TR-64-84 N65-12974

GAS CHROMATOGRAPHY

EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY A65-15153

EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY A65-22137

DEGASSING CHARACTERISTICS OF MATERIALS AND
SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL
EVALUATION TECHNIQUE A65-23617

BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF
THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING
GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC
A65-29067

IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN A65-30138

GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF
PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993

GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479

GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING
LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH
CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING
CAPACITY DETERMINATIONS A65-82170

GAS CHROMATOGRAPHY IN CONJUNCTION WITH MODIFIED
VAN SLYKE APPARATUS FOR DETERMINING SMALL
VOLUMES OF NITROGEN IN DISSOLVED BLOOD
SAM-TR-65-6 N65-23841

COMMERCIAL MODEL GAS CHROMATOGRAPHY FOR
PHYSIOLOGIC GAS ANALYSIS AT HIGH ALTITUDE
SAM-TR-65-2 N65-26617

RECOVERY OF TRACE ORGANIC CONTAMINANTS IN
SEALAB I ATMOSPHERE, SEPARATION WITH GAS
CHROMATOGRAPH, AND IDENTIFICATION

N65-31484

GAS COMPOSITION

APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS
A65-80266

APPARATUS FOR PRODUCTION OF GAS MIXTURES OF PRECISELY CONTROLLED COMPOSITION FOR INSPIRATION BY SMALL ANIMALS
A65-81151

BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF ANIMAL BLOOD AFTER LUNG REMOVAL
N65-17782

GAS EXCHANGE

SA OXYGEN PRODUCTION

HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM
A65-11401

RESPIRATORY GASEOUS EXCHANGE UNDER HIGH OXYGEN CONCENTRATION IN GUINEA PIGS, NOTING BODY WEIGHT AND OXYGEN CONSUMPTION
A65-18842

PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING DWARF MOUSE AND ILLUMINATED SUSPENSION OF CHLORELLA ELLIPSOIDEA
A65-31005

RESPIRATORY PHYSIOLOGY - ALVEOLAR GAS EXCHANGE
A65-80185

CULTURE TECHNIQUE AND ENVIRONMENTAL FACTORS IN USING ALGAE FOR PHOTOSYNTHETIC GAS EXCHANGE
A65-80378

BREATHING OF PRESSURE OXYGENATED NORMAL SALINE IN DOGS
A65-80826

GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME, LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON PHOTOSYNTHESIS
A65-81590

REGENERATION OF OXYGEN AND GAS EXCHANGE SYSTEMS FOR SPACECRAFT
A65-81793

INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18 ISOTOPE INJECTED INTRAVENOUSLY IN MAN
A65-81892

GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893

PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323

RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST
N65-13647

GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL, AND PHOTOSYNTHETIC GAS EXCHANGER STUDY
SAM-YDR-64-52
N65-16879

GAS EXCHANGE THROUGH HUMAN SKIN AND ITS IMPORTANCE TO HUMAN BODY
JPRS-28923
N65-17303

GAS EXCHANGE REGULATION IN HYPOXEMIA
N65-17779

ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE COMPENSATION FOR HYPOXIA IN MAN
N65-17781

DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT TREATMENT
N65-17800

DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH HUMAN SKIN SURFACE
JPRS-29142
N65-19326

OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE DURING RADIATION SICKNESS
N65-22730

GAS-LIQUID INTERACTION

WETTING AND NONWETTING SURFACES TO CONTROL WATER AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE COLLECTION, DISTILLATION AND MANAGEMENT OF WATER AND OXYGEN SUPPLIES
A65-28630

GAS MIXTURE

EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN
N65-13648

COMMERCIAL MODEL GAS CHROMATOGRAPHY FOR PHYSIOLOGIC GAS ANALYSIS AT HIGH ALTITUDE
SAM-TR-65-2
N65-26617

GAS POCKET

EFFECT OF COMPRESSION ON COMPOSITION AND ABSORPTION OF TISSUE GAS POCKETS IN RATS
A65-81907

GAS-SOLID INTERFACE

WETTING AND NONWETTING SURFACES TO CONTROL WATER AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE COLLECTION, DISTILLATION AND MANAGEMENT OF WATER AND OXYGEN SUPPLIES
A65-28630

GASEOUS DIFFUSION

ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON DIMENSIONAL ANALYSIS AND MODEL THEORY
A65-19839

LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH SEA LEVEL NATIVES
AD-463110
N65-33244

GASOLINE

SA PETROLEUM

TOXICITY OF SYNTHETIC, ETHYLATED AND SOME AVIATION GASOLINES
A65-80589

GASTROINTESTINAL SYSTEM

SA DIGESTIVE SYSTEM

SA INTESTINE

SA STOMACH

DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE CONCENTRATION OF FLATUS PRODUCED IN MAN
A65-10744

GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE STUDIED IN MINIATURE SWINE
A65-16556

NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL STRESS
A65-19846

ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
A65-80049

CHANGES IN GASTRIC HISTIDINE DECARBOXYLASE ACTIVITY DURING FASTING AND FEEDING IN RATS
A65-81217

EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS AND POSTURES
A65-81246

EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION OF SMALL INTESTINE IN GUINEA PIGS
A65-81990

REVIEW OF PHYSIOLOGY AND PATHOLOGY OF GASTROINTESTINAL TRACT AS RELATED TO SPACE FLIGHT CONDITIONS
A65-82001

ELECTROCARDIOGRAM QRS COMPLEX ELECTRICAL AXIS AS AFFECTED BY POSTURE AND GASTRIC DILATION
A65-82101

FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL, AND GASTROINTESTINAL DISEASES - PERSONNEL

- SELECTION N65-13732
- DIET AND NUTRITION EFFECT ON GASTROINTESTINAL SYSTEM AND BOWEL MOTILITY N65-18585
- VARIATION IN VISUAL AND AUDITORY STIMULATION EFFECTS ON GASTROINTESTINAL MOTILITY TR-12 N65-22946
- EFFECTS OF HIGH AND LOW LEVELS OF STIMULATION ON GASTROINTESTINAL RESPONSE TR-14 N65-22947
- ANATOMICAL AND PHYSIOLOGICAL SCHEMA OF GASTROINTESTINAL TRACT FOR DETERMINATION OF RADIOACTIVE CONTAMINATION LEVELS CEA-R-2413 N65-32989
- GEL
- BIO-LIKE STRUCTURES FORMED IN DISTILLED WATER AND ON AGAR GEL IN ELECTRIC FIELD NASA-TT-F-9239 N65-15057
- GEMINI PROJECT
- GEMINI MEDICAL EXPERIMENTS FOR DETERMINING WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED SPACEFLIGHT A65-10639
- DEVELOPMENT OF PRESSURE SUIT FROM HALDANE TO EXTRAVEHICULAR SPACE SUIT, NOTING SUPPORT EQUIPMENT AND ADVANCED CONCEPTS A65-12546
- GEMINI FLIGHT MEDICAL PROGRAM TO PREPARE ASTRONAUTS FOR EXTRAVEHICULAR ACTIVITY IN ORBIT A65-20240
- GEMINI BIOINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM IN FLIGHT A65-21499
- INSTRUMENTATION OF TEMPERATURE AND PRESSURE CONTROL OF SPACE SUIT AND SIMULATOR CABIN FOR ASTRONAUT TRAINING IN SPACE MISSION SIMULATORS A65-27927
- PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE FLIGHT PROGRAM BASED ON PROJECT MERCURY AND GEMINI MISSIONS A65-31105
- MEDICAL ASPECTS OF GEMINI AND APOLLO PROJECTS A65-80847
- GT-4 CREW EXTRAVEHICULAR ACTIVITY SPACESUIT A65-81162
- GEMINI PROGRAM - ADVANCES IN OPERATIONAL CAPABILITY DURING FLIGHT, RENDEZVOUS, EXTRAVEHICULAR OPERATIONS AND REENTRY A65-81280
- SECOND INTERNATIONAL SYMPOSIUM ON BASIC ENVIRONMENTAL PROBLEMS OF MAN IN SPACE A65-81549
- PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND GEMINI PROJECTS NASA-TN-D-2506 N65-14451
- PREPARATION, HANDLING, AND STORAGE OF FOOD FOR MERCURY, GEMINI, AND APOLLO SPACE PROJECTS N65-18574
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO PROJECTS AS DEVELOPED IN MERCURY PROJECT NASA-TM-X-51697 N65-21473
- GEMINI SPACECRAFT
- SPACE FLIGHTS OF RUSSIAN ASTRONAUTS BELIAEV AND LEONOV AND AMERICAN ASTRONAUTS GRISSOM AND YOUNG A65-81445
- HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI SPACECRAFT DURING TERMINATION OF RENDEZVOUS MISSION LMSC-6-62-64-13 N65-11016
- EVALUATION OF GENERAL PHYSICAL CONDITION OF GEMINI IV FLIGHT CREW WITH INCREASING TIME
- UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD N65-36104
- CORRELATION OF ELECTRIC AND MECHANICAL ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW MEMBERS N65-36105
- BONE DEMINERALIZATION STUDIES OF GEMINI IV CREW USING RADIOGRAPHIC BONE DENSITOMETRY N65-36106
- GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD CELLS N65-36114
- GENERATION
- SA HEAT GENERATION
- BODY TEMPERATURE AND HEAT GENERATION DURING RADIAL ACCELERATION STRESS IN RAT A65-80050
- GENERATOR
- SA VOLTAGE GENERATOR
- SOLID CHEMICAL AIR GENERATOR FOR PRODUCING BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE - SPACE APPLICATION AG-1 N65-10267
- GENETIC CODE
- MAGNETIC FIELD EFFECT ON GENETIC CODE OF MOUSE A65-80415
- RECOGNITION OF HEREDITARY ORDER IN PRIMITIVE CHEMICAL SYSTEMS, HEREDITARY TRANSFER IN COPOLYMERS A65-80487
- CODING TRIPLETS IN EVOLUTION OF HEMOGLOBIN AND CYTOCHROMES C GENES A65-80488
- PROTEIN BIOSYNTHESIS FROM GENETIC CODING TO SYNTHESIS OF PROTEIN IN RIBOSOMES AND RIBOSOMAL STRUCTURE N65-25724
- ROLE OF SEXES IN TRANSMISSION AND CONVERSION OF GENETIC INFORMATION N65-32583
- GENETICS
- SA CHROMOSOME
- SA CYTOCHROME
- SA MUTATION
- IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION IN ESCHERICHIA COLI CELLS AND RNA MESSENGER DECAV A65-10633
- SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE FLIGHTS A65-12081
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS CONCERNING COSMIC RADIATION EFFECTS ON GENETIC CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT FLIES A65-30689
- GENETIC EFFECT OF LOW RADIATION DOSES AND PROBLEMS OF CHEMICAL RADIOPROTECTION A65-80656
- PROTECTIVE EFFECT OF CYSTEINE AND S, 2-AMINO-ETHYLISOTHIURONIUMBROMIDE-HYDROBROMIDE ON RADIATION-INDUCED LETHAL MUTATION IN MOUSE A65-80845
- APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA DURING EXPOSURE TO VIBRATION, ACCELERATION AND GAMMA-RADIATION A65-82077
- GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA COLI A65-82320
- GENETIC CROSSOVER IN DROSOPHILA MALES UNDER INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA RADIATION N65-10066
- CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF

- TRITIUM DECAY
NASA-CR-59196 N65-10112
- IONIZING RADIATION EFFECTS ON GENETIC
TRANSCRIPTION N65-10113
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- MOLECULAR BIOLOGY - CHEMICAL MUTAGENESIS IN
BACTERIOPHAGE AND GENETIC REGULATION OF PROTEIN
BIOSYNTHESIS IN MICROORGANISMS
JPRS-28187 N65-14164
- INITIAL STAGES OF RADIATION DAMAGE TO BIOLOGICAL
CELLS AND GENETIC MATERIALS AND PREVENTIVE
METHODS N65-23465
- ROLE OF GENETICS IN HUMAN PATHOLOGY - CLINICAL
MEDICINE
JPRS-30306 N65-24437
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489
- SOVIET RESEARCH IN GENETICS, PHYSIOLOGY, AND
RADIOBIOLOGY
JPRS-30485 N65-25611
- GENETIC RECOMBINATION RESULTING FROM INTERACTION
BETWEEN FRAGMENT AND ANNULAR CHROMOSOMES IN
ESCHERICHIA COLI K-12 STRAINS
N65-25613
- COMPILATION OF REPORTS ON MANNED SPACE FLIGHT,
GENETICS, AND CYTOLOGY - BIOLOGICAL CELL
JPRS-30944 N65-28286
- GENETIC ADAPTATION OF ORGANISMS TO RADIATION AND
PRACTICAL USE OF MUTAGENS N65-28290
- MOLECULAR GENETICS AND RADIATION EFFECTS ON
HEREDITY
FTD-TT-63-1214/162 N65-29131
- CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING
GENETIC EFFECTS OF RADIATION - HEREDITY
JPRS-31635 N65-31211
- LITERATURE SURVEY IN MOLECULAR BIOLOGY, GENETICS,
AND STRESS
JPRS-31599 N65-31535
- ANIMAL AND PLANT GENETICS - INDUCED MUTATION
PROCESSES
JPRS-31514 N65-31536
- MATHEMATICAL MODELS FOR DETERMINING
COMBINATIVE CAPABILITIES RELATED TO GENETICS
JPRS-31830 N65-32760
- GEOCHEMISTRY
CYTOSINE, ADENINE, GUANINE, THYMINE AND URACIL
DETECTION IN CORE SAMPLES FROM EXPERIMENTAL
MOHOLE A65-13171
- AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
AND ABIOTIC ASPECTS A65-80471
- EXISTENCE OF EXTRATERRESTRIAL LIFE BASED ON DATA
FROM ASTRONOMY, GEOCHEMISTRY AND BIOLOGY
JPRS-29591 N65-23321
- GEOELECTRICITY
TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS
AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL
POSITION A65-24779
- GEOGRAPHY
SA ANTARCTICA
SA ARCTIC
- GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4 N65-34537
- GEOLOGY
SA GEOCHEMISTRY
SA LUNAR GEOLOGY
SA MINERAL
- POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES
FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION
YEARS OLD A65-23841
- DESIGN STUDY OF LUNAR EXPLORATION HAND TOOLS FOR
LUNAR GEOLOGICAL AND ENVIRONMENTAL PROGRAM -
FIRST QUARTERLY DESIGN REPORT
NASA-CR-65092 N65-31179
- GEOMAGNETIC EFFECT
ORIGIN AND EVOLUTION OF LIFE PRIOR TO TWO BILLION
YEARS AGO IN PRESENCE OF WEAK MAGNETIC FIELD,
NOTING POSSIBLE ENHANCEMENT BY SOLAR WIND
A65-23842
- BIBLIOGRAPHY OF BIOLOGICAL EFFECT OF STATIC AND
EARTH MAGNETIC FIELDS AS RELATED TO LIVING TISSUE
AND CLINICAL APPLICATION A65-80434
- GEOMAGNETIC FIELD
PHYSICAL PROPERTY OF MAGNETIC AND GEOMAGNETIC
FIELDS AND RESPONSES OF BIOLOGICAL SPECIMEN
A65-80410
- ORIENTATION OF PLANARIANS AND SNAILS TO ARTIFICIAL
MAGNETIC FIELDS APPROXIMATING MAGNETIC FIELD OF
EARTH A65-80432
- MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS
POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES
A65-80433
- GEOTROPISM
TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS
AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL
POSITION A65-24779
- INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT
OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE
PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH,
STUDIED BY RADIOASSAY A65-31319
- GERMINATION
SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS
A65-35816
- INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF
POLLEN OF PLANT TRANDESCANTIA PALUDOSA
A65-81939
- GERONTOLOGY
SA AGING
- CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO
ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVER-
CROWDING AND DISEASE IN MULTICELLULAR SYSTEMS
A65-18287
- GESTALT THEORY
ONTOLOGICAL SIGNIFICANCE OF ENTITIES WITH RESPECT
TO EFFECT ON LOGICAL STRUCTURE OF MIND -
PHILOSOPHICAL FOUNDATION FOR PSYCHOLOGY AND
PSYCHIATRY - GESTALT THEORY
NASA-CR-63609 N65-27388
- GLAND
SA ADRENAL GLAND
SA ENDOCRINE SYSTEM
SA OVARY
SA PANCREAS

- SA PAROTID
SA PINEAL GLAND
SA PITUITARY GLAND
SA TESTIS
SA THYMUS
SA THYROID
- GALVANIC SKIN RESPONSE - THEORETICAL CONSIDERATION
OF SKIN RESISTANCE AND SKIN CONDUCTANCE RELATED
TO SWEAT GLAND A65-80005
- CHANGES IN SEBACEOUS GLAND FUNCTION OF INDUSTRIAL
WORKERS USING ACETONE, GASOLINE AND WHITE SPIRIT
A65-81372
- GLARE**
TOBACCO EFFECT ON DETECTION TIME AND RECOVERY TIME
AFTER GLARE A65-81884
- ETHYL ALCOHOL EFFECT ON GLARE THRESHOLDS DURING
DARK ADAPTATION IN DRINKERS AND NONDRINKERS
A65-82089
- GLASS FIBER**
MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION
BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS
NASA-CR-63198 N65-25401
- PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING
INHALATION OF FUMES EMANATING FROM SPECIMENS
OF FIBER GLASS REINFORCED PLASTIC
N65-28293
- GLAUCOMA**
PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA A65-80385
- CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
PERSONNEL AND FLIGHT DUTY A65-81950
- GLOBULIN**
SA FIBRINOGEN
- BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN
MACROMOLECULES, NUCLEIC ACID MOLECULAR
STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN
LUMINESCENT BACTERIA
JPRS-30097 N65-25027
- POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL
TRANSITIONS IN MACROMOLECULES N65-25028
- GLUCOSE**
EFFECT OF LARGE DOSE OF RESERPINE GIVEN
INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-
GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372
- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION
IN ACTIVE AND HIBERNATING, IRRADIATED AND
NONIRRADIATED GROUND SQUIRREL A65-20020
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS A65-25243
- FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING
HOW THESE PREPARATIONS ARE AFFECTED BY
INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE
METABOLISM OF GLUCOSE A65-33702
- STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN
POSTPRANDIAL AND IN FASTING STATE IN RELATION TO
GLUCOSE INTAKE A65-80447
- GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS
AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND
CARBON DIOXIDE A65-80818
- EFFECTS OF GLUCOSE ON PROCESS OF CHLOROPLAST
DEVELOPMENT IN CHLORELLA PROTOTHECOIDES
A65-81640
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319
- GLUCOSE INFLUENCE ON PHOSPHORUS METABOLISM IN
CHLORELLA N65-21073
- GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
- DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA N65-25030
- EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE
HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE
OXIDATION BY RAT SPLEEN AND BONE MARROW
SUSPENSIONS
SAM-TR-65-29 N65-34260
- GLYCOGEN**
METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416
- LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM
NASA-TM-X-51741 N65-22189
- GLYCOL**
ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC,
AND TOXICOLOGIC OBSERVATIONS A65-80820
- GLYCOLYSIS**
SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482
- ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN
SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122
- GOAL THEORY**
GOAL DIFFICULTY EFFECT ON LEVEL OF HUMAN
PERFORMANCE
ONR-RM-135 N65-19626
- GOAT**
EFFECT OF RADIATION ON AUDITION AND CONDITIONED
RESPONSES IN SPANISH GOAT A65-81570
- THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS
CENTER IN HYPOTHALAMUS A65-81769
- GOLD**
IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND
EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE
OXYGEN TENSION
JPRS-30818 N65-27028
- GRAVITATIONAL EFFECT**
SA LUNAR GRAVITATIONAL EFFECT
SA WEIGHTLESSNESS
- WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM
VOSKHOD FLIGHTS A65-25551
- ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS,
INVESTIGATING RODENTS AND SMALL PRIMATES IN
CENTRIFUGES A65-30049
- CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL
RESEARCH, PREDICTING EFFECTS ON MAN FROM VARIOUS
TYPES OF SIMULATION A65-30059
- G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347
- HUMAN LOCOMOTION IN SIMULATED LUNAR GRAVITY AND
SURFACE A65-32792
- CHANGES IN LIVER LIPID METABOLISM OF RATS
SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS
A65-33527
- INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION
FOR MANNED SPACE FLIGHT A65-35485
- VARIATIONS OF MOTOR RESPONSES TO GRAVITATIONAL
STIMULI CAUSED BY CHANGES OF SENSORY PERCEPTION
IN PIGEONS A65-80215

OXYGEN COST OF WORK PERFORMED IN DIFFERENT POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST GRAVITY A65-80384

EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS AND POSTURES A65-81246

GRAVITATIONAL EFFECTS ON ORGANISMS N65-13692

ROLE OF GRAVITY IN LIFE OF ORGANISMS AND EVOLUTION OF ANIMALS - PROBABLE EFFECTS OF PROLONGED WEIGHTLESSNESS N65-13713

DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL GRAVITATIONAL LOADS N65-14527

GRAVITATIONAL STRESS EFFECT ON ARTERIAL WALL JPRS-28476 N65-15353

GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR ORGANISMS AND MICROSCOPIC TECHNIQUES FOR OBSERVING LIVING CELLS NASA-CR-51799 N65-15368

GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN ABSENCE OF GRAVITATIONAL EFFECTS NASA-CR-53405 N65-15369

RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON ANIMAL ORGANISMS JPRS-28405 N65-15676

EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND SUBGRAVITY STATES NASA-CR-51786 N65-16431

PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS NADC-ML-6413 N65-18881

ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND INERTIAL FORCE EXPOSURE NASA-CR-57274 N65-19692

HUMAN ENGINEERING - EFFECT OF VARIATIONS IN GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM UNDER SPACE FLIGHT STRESSES N65-22723

GRAVITATION EFFECT ON NERVOUS SYSTEM DURING SPACE FLIGHT, AND EFFECTS OF AGE, SOUND, AND PHOTIC STIMULI ON ARTERIOSCLEROSIS AND ROLE OF NERVOUS SYSTEM IN PATHOGENESIS JPRS-29666 N65-23443

GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION N65-23444

PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD II FLIGHTS N65-26230

RADIATION AND GRAVITATIONAL EFFECT ON WASPS AND SHRIMP - ANIMAL STUDY NASA-CR-63829 N65-28538

PHYSIOLOGICAL EFFECTS OF GRAVITATION AND WEIGHTLESSNESS ON RUSSIAN COSMONAUTS - DISCUSSION NASA-TT-F-376 N65-29623

PROLONGED ACCELERATION AND GRAVITATIONAL FORCES EFFECT ON GROWTH OF ORGANISM AND VITAL ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS N65-31378

OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF GRAVITY NASA-TT-F-9562 N65-33806

MAGNITUDE OF GRAVITOINERTIAL FORCE, INDEPENDENT VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF HORIZONTAL-SPACE PERCEPTION NASA-CR-67538 N65-36426

GRAVITATIONAL FIELD

STRUCTURE AND FUNCTION OF VESTIBULAR APPARATUS UNDER CONDITIONS OF ALTERED GRAVITATIONAL FIELD NASA-TT-F-278 N65-11021

CONSTRUCTION AND OPERATION OF SMALL ANIMAL CENTRIFUGE FOR CARRYING OUT EXPOSURES TO GRAVITATIONAL FIELD SAM-TR-65-23 N65-33738

GRAVITY

SA ARTIFICIAL GRAVITY

SA SUBGRAVITY

SA ZERO GRAVITY

HUMAN POSTURE AND MUSCULAR SYSTEM IN RELATION TO GRAVITY A65-80987

ROENTGEN STUDIES IN MAN OF RELATIONSHIP OF UNEQUAL PULMONARY VENTILATION TO GRAVITY, AND POSTURE A65-81101

LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION INFORMATION A65-81728

BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT A65-81771

GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS NASA-CR-59548 N65-11396

EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION OF ORGANISM N65-15679

GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE FLIGHT NASA-CR-56358 N65-16433

ABSTRACTS ON SOVIET BIOASTRONAUTICS AND BIOTECHNOLOGY - RADIATION, GRAVITY, VIBRATION, ACCELERATION, ATMOSPHERE, ECOLOGY, SELECTION, TRAINING, MEDICAL MONITORING, AND BIOTELEMETRY ATD-P-65-4 N65-16653

SURFACE REACTION FORCES ON MAN WALKING UNDER REDUCED GRAVITY MECH/GA-64-1 N65-20613

HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS N65-24862

GRAVITY CENTER

INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS AND INERTIA MOMENTS OF HUMAN BODY NA-64-527 N65-15788

APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT VEHICLE NASA-CR-61079 N65-29966

GREENLAND

STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN PRECIPITATION, SOIL, SEA WATER, VEGETATION, ANIMALS, AND DRINKING WATER IN GREENLAND RISD-87 N65-18474

GROUND

SA EARTH

PROBABILITY OF VISUAL DETECTION OF RECONNAISSANCE AIRCRAFT BY GROUND OBSERVERS RM-4562-PR N65-35947

GROUND CREW

OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF MECHANICS WORKING ON JET AIRCRAFT BASES A65-80125

GROUND SPEED

SA AIR SPEED

SA VELOCITY

ACCURACY OF ALTITUDE AND GROUND SPEED

- DETERMINATIONS USING CONTACT ANALOG SIMULATOR
DISPLAY SYSTEM
D228-421-015 N65-30934
- GROUND SUPPORT SYSTEM
HUMAN FACTORS RELATED TO REMOTE HANDLING OF
GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND
EXTRAVEHICULAR SPACE OPERATIONS
AMRL-TR-64-122 N65-27891
- GROUP BEHAVIOR
PERSONALITY STRUCTURE, GROUP COMPENSATION, AND
GROUP FUNCTIONING IN RELATION TO OUTSIDE FACTORS
A65-80742
- COMPARATIVE HUMAN BEHAVIOR OF DIFFERENT SIZE
GROUPS OF ADULTS IN DESERT ENVIRONMENT UNDER
VARYING LIVING CONDITIONS A65-80966
- LEADERSHIP MODEL PROPOSED WHICH IS BASED ON
GROUP-TASK SITUATION A65-81083
- WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND
LEADERSHIP A65-81126
- PSYCHOLOGICAL ASPECTS OF ADAPTATION TO LIFE ON
ANTARCTIC STATIONS A65-81236
- BEHAVIOR PATTERNS OF GROUPS EXPERIMENTALLY
CONFINED IN FALLOUT SHELTER A65-81659
- SELECTION STRATEGIES IN CONCEPT ATTAINMENT AS
FUNCTION OF NUMBER OF PERSONS AND STIMULUS DISPLAY
A65-82058
- FUNDAMENTAL CHARACTERISTICS OF GROUP BEHAVIORAL
DIFFERENCES BETWEEN OPEN AND CLOSED GROUPS
A65-82060
- TEAM-TRAINING EFFECTIVENESS AS FUNCTION OF TASK
COMPLEXITY, ORGANIZATION AND SKILL IN SIMULATED
RADAR CONTROLLED AERIAL INTERCEPT TASK
A65-82173
- HUMAN BEHAVIOR STUDY ON SOCIAL STRUCTURE CHANGE IN
SMALL ISOLATED GROUPS
REPT.-64-24 N65-22949
- EMPIRICAL EVALUATION OF THEORETICAL MODEL OF
LATENT CLASS ANALYSIS TO DETERMINE IF POPULATION
OF RESPONDENTS CAN BE DIVIDED INTO FINITE NUMBER
OF GROUPS OR CLASSES - COMPUTER PROGRAMMING
NASA-CR-63870 N65-28868
- PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299 N65-34557
- GROUP THEORY
PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
CATEGORIES
ORC-65-4 N65-26585
- GROWTH
SA BIOTIN
- STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA A65-80015
- CULTURING OF ALGAE - PROBLEMS OF GROWTH AND
CULTURE TECHNIQUE A65-80376
- ROTATIONAL DIFFUSION IN MAGNETIC FIELD AS RELATED
TO BIOLOGICAL GROWTH AND METABOLIC PROCESSES
A65-80413
- GROWTH RATE OF MICE OF DIFFERENT AGES EXPOSED TO
HOMOGENEOUS AND INHOMOGENEOUS MAGNETIC FIELDS
A65-80416
- GROWTH RATE AND MAGNETIC MAGNETOTROPIC RESPONSE OF
PLANTS EXPOSED TO MAGNETIC FIELDS
A65-80422
- BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423
- INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND
STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH
PARAMAGNETIC STRENGTH A65-80428
- INHIBITION OF BACTERIAL, STAPHYLOCOCCUS AUREUS,
SARCINA LUTEA, AND ESCHERICHIA COLI, GROWTH
IN HOMOGENEOUS MAGNETIC FIELDS A65-80429
- SYNTHETIC ACTIVITY DURING NONSYNCHRONIZED GROWTH
CHLORELLA, SEPARATED INTO AGE GROUPS BY FRACTIONAL
CENTRIFUGATION A65-80505
- VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596
- FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE,
CHLORELLA PYRENOIDOSA A65-80618
- EFFECT OF ULTRAVIOLET RADIATION GROWTH AND
MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- INTERRELATIONSHIPS OF VARIOUS SPECIES OF
PROTOCOCCAL ALGAE AND THEIR BACTERICIDAL EFFECT IN
JOINT CULTIVATION A65-80689
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724
- GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN A65-80725
- GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754
- EFFECT OF NITROGENOUS COMPOUNDS UPON GROWTH AND
ATMOSPHERIC OXYGEN UPTAKE IN BLUE-GREEN ALGAE
A65-80766
- CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC
HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT
SIMULATED ALTITUDE A65-80795
- COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY
USE OF EXPONENTIAL FORMULA A65-80803
- SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES
DURING SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
A65-80810
- EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL
COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA
A65-80939
- CHANGES IN MINERAL CONCENTRATION IN NUTRIENT
MEDIUM DURING GROWTH OF CHLORELLA
A65-80940
- BIOLOGICAL PARAMETERS OF GROWTH CYCLE OF
SYNCHRONOUS CULTURE OF THERMOPHYLIC ALGA,
CHLORELLA PYRENOIDOSA A65-80941
- QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF
CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS
OF GROWTH A65-81194
- EFFECT OF NATURAL IONIZING RADIATION ON
GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM
A65-81254
- HETEROTROPHIC GROWTH, CARBOHYDRATE METABOLISM AND
PRODUCTION OF XANTHOPHYLLS BY CHLORELLA
PYRENOIDOSA A65-81285
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS
IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY
OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER
A65-81287
- CULTIVATION AND GROWTH OF GREEN PLANKTONIC ALGAE
ON SEWAGE A65-81386
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL
PROCESSES IN GERMINATION OF SEED IN SOME HIGHER
PLANTS ABOARD VOSTOK SPACECRAFT

SUBJECT INDEX

GUINEA PIG

- A65-81595
 PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS,
 AND BLOOD OF RAT. A65-81746
- CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
 ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
 LIGHT-DARK SEQUENCE A65-81872
- DEVELOPMENT OF PYROGENIC MECHANISM RELATED TO
 HEAT REGULATION IN GROWING RABBITS AND GUINEA
 PIGS A65-81879
- EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE
 OF ALBINO GUINEA PIGS A65-81917
- NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES,
 GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN
 MICE EXPOSED TO ACCELERATION STRESS A65-81948
- NEW TECHNIQUE FOR MASS ASSAYS OF PHYSIOLOGICAL
 CHARACTERISTICS OF UNICELLULAR ALGAE A65-82095
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE,
 ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS,
 AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS
 BREATHING NEARLY PURE OXYGEN A65-82154
- IONIZING EFFECT OF BETA PARTICLES ON RATE OF
 GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA
 CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON
 A65-82242
- ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
- GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-
 OXYGEN ATMOSPHERE N65-13649
- GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN
 ABSENCE OF GRAVITATIONAL EFFECTS NASA-CR-53405 N65-15369
- ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
 TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
 AND RADIATION PROTECTION NASA-CR-62133 N65-21422
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-
 OXYGEN ATMOSPHERE NASA-CR-56876 N65-22195
- VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL
 CULTURES N65-22311
- GROWTH RESPONSE OF *BACILLUS CEREUS* AND *SUBTILIS*
 CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT
 WITH FREEZE CYCLES OF DIFFERENT DURATIONS
 NASA-CR-62829 N65-24294
- PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND
 DIVISIONS NASA-CR-62925 N65-24575
- INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT
 OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
 N65-26396
- GROWTH OF ALGAE IN SEWAGE WATER - SOIL BACTERIA
 GROWTH STIMULATION BY BLUE-GREEN ALGAE
 FTD-TT-65-66/162 N65-31421
- GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL
 MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE
 N65-31422
- ALGAE GROWTH IN CITY SEWAGE WATER - EXPERIMENTS
 N65-31423
- ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL
 GROWTH OF TOBACCO STEM SEGMENTS NASA-CR-59238 N65-32090
- EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
 ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
 NASA-CR-303 N65-32674
- GUANIDINE
 POSSIBLE ROLE OF DICYANDIAMIDE /CYANOGLANIDINE/ IN
 PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION A65-80763
- GUIDANCE AND CONTROL
 OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND
 CONTROLLED REENTRY VEHICLES NASA-CR-331 N65-36773
- GUIDANCE SYSTEM
 SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN
 FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE
 CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS,
 SIMULATED SPACE FLIGHT, AND COMMUNICATIONS
 ATD-P-65-11 N65-20926
- GUIDED MISSILE
 GUIDED MISSILE FUNDAMENTALS - TECHNICAL TRAINING
 MANUAL FOR ELECTRONIC MAINTENANCE PERSONNEL
 AFM-52-31 N65-12490
- GUINEA PIG
 SENSORY HAIR STRUCTURE LOCATED IN GRAVITY
 RECEPTORS IN UTRICLE AND SACCCULE OF SQUIRREL
 MONKEY AND GUINEA PIG A65-25239
- CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN
 PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN
 AT UP TO TWO ATMOSPHERES A65-80052
- LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
 CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
 A65-80073
- RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
 CYSTEAMINE A65-80351
- DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD
 ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION
 A65-80537
- RESPIRATORY SYSTEM RESPONSE IN GUINEA PIG TO
 BREATHING 100% OXYGEN AT 1 ATMOSPHERE PRESSURE
 A65-80554
- ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
 MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
 CORTEX AND CEREBELLUM A65-80812
- HISTOCHEMICAL DEMONSTRATION OF
 ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
 OF VESTIBULAR BONES OF GUINEA PIGS A65-81044
- DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC
 RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC
 CONDITIONS A65-81076
- THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY
 HYPOXIA AND REBOUND A65-81171
- OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG
 FOLLOWING CALORIC STIMULATION OF LABYRINTH
 A65-81313
- DEVELOPMENT OF PYROGENIC MECHANISM RELATED TO
 HEAT REGULATION IN GROWING RABBITS AND GUINEA
 PIGS A65-81879
- EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE
 OF ALBINO GUINEA PIGS A65-81917
- EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION
 OF SMALL INTESTINE IN GUINEA PIGS A65-81990
- PATHOLOGICAL CHANGES OF SKIN IN GUINEA PIGS AFTER
 EXPOSURE TO IONIZING RADIATION AND LOCAL
 HYPOTHERMIA A65-82049
- DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF
 COCHLEA A65-82130
- SIGNIFICANCE OF OLIVO-COCHLEAR BUNDLE FOR
 ADAPTATION MECHANISM OF INNER EAR A65-82131
- RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND

GULLIVER PROGRAM

SUBJECT INDEX

ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA VASCULARIS, AND SOUND STIMULATION
A65-82269

COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING SOUND STIMULATION AND HYPOTHERMIA
A65-82306

COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE
A65-82308

DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS, FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE RARE EARTH CITRATES AND OXALATES
COD-1170-3
N65-24619

EFFECT OF LETHAL DOSAGES OF X-RAYS ON ATP CONTENT IN LIVER AND PHOSPHOPROTEIN EXCHANGE IN GUINEA PIGS
FTD-TT-64-1163/1
N65-29119

EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG
N65-31380

COMBINED EFFECTS OF VIBRATION AND ACUTE IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA PIGS
N65-31382

EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE REFLEX IN GUINEA PIG
N65-31384

HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO COLD
AAL-TDR-64-9
N65-35630

EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS IN SMALL INTESTINE OF GUINEA PIG
N65-35892

GULLIVER PROGRAM
RESULTS FROM FIELD TESTS OF GULLIVER AND DIOGENES EXPERIMENTS FOR DETECTING LIFE IN SEVERE NATURAL ENVIRONMENTS
A65-30681

RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III MODEL
NASA-CR-56214
N65-16497

GUN
TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY OF M-1 CARBINE
AMRL-TDR-64-90
N65-11899

GUNNERY TRAINING
AERIAL GUNNERY, LOW LEVEL FLIGHT, AND NAVIGATION TRAINING FOR HELICOPTER OPERATIONS
N65-15738

GUSTATORY PERCEPTION
PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN TASTE SENSATION AND RELATION TO HIGH ALTITUDE FLYING
A65-80396

GYNECOLOGY
VIBRATION EFFECT AND INCIDENCE OF GYNECOLOGIC COMPLAINTS IN FEMALE VEHICLE OPERATORS
A65-80446

GYRATION
SA ROTATION
CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY VERTICAL POSITION OR GYRATION - BLOOD CIRCULATION
NASA-TT-F-9715
N65-36759

HABITABILITY
SA SHELTER

PHYSICAL, PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIAL HABITABILITY PROBLEMS OF PROLONGED SPACE MISSIONS
A65-26740

HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD LEVEL
A65-80913

SOME FORMS OF LIFE FOUND ON EARTH WHICH CAN SURVIVE CONDITIONS THOUGHT TO EXIST ON MARS
A65-81013

POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION OF HABITABLE GASES - MANNED SPACECRAFT APPLICATION
AMRL-TR-65-26
N65-30853

HABITUATION
NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND CONTRACTION, AND HABITUATION OF SUBJECT DURING IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160

HALLUCINATION
SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF REPORT, AND ANXIETY
A65-80561

HALLUCINOGEN
DEPERSONALIZATION SYNDROME AS THREAT TO EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222

HAMSTER
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN FAT OF HAMSTERS
A65-80096

TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION
A65-80583

X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL CYCLE
A65-80617

THERMOREGULATION AND COLD ACCLIMATIZATION IN HAMSTER, MESOCRICETUS AURATUS
A65-81138

HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON RED BLOOD CELLS IN HAMSTER
A65-81498

COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30
N65-18972

HAND
CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT ON REFLEX VASODILATATION IN HAND
A65-80189

AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT
A65-81405

HAND MOTION STUDIED WITH RESPECT OF ACCELERATION AND VELOCITY OF LIMB
A65-81651

SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES
A65-82368

HANDBOOK
HANDBOOK FOR PHYSICIANS FOR MANAGEMENT OF DISASTERS INCLUDING AIRCRAFT ACCIDENTS
A65-81182

HANDEDNESS
S LATERALITY

HANDLING
SA DATA HANDLING SYSTEM

HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED SPACE EXPLORATION
N65-18567

PREPARATION, HANDLING, AND STORAGE OF FOOD FOR MERCURY, GEMINI, AND APOLLO SPACE PROJECTS
N65-18574

HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED SPACE FLIGHTS
N65-18576

HEALTH ASPECTS OF PLUTONIUM HANDLING - RADIATION

H

SUBJECT INDEX

HEARING

- HAZARDS, CONTROL, CONTAINMENT, MONITORING, AND
EMERGENCY PROCEDURES
AERE-L-151 N65-25164
- SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING
OF THORIUM AND ITS COMPOUNDS
AEC-TR-6536/REV./ N65-26596
- MOBILE REMOTE HANDLING UNIT POSITIONED UNDER
AUGMENTED TELEVISION CONDITIONS - HUMAN
ENGINEERING FOR REMOTE HANDLING SYSTEMS
AMRL-TR-65-6 N65-27091
- HUMAN FACTORS RELATED TO REMOTE HANDLING OF
GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND
EXTRAVEHICULAR SPACE OPERATIONS
AMRL-TR-64-122 N65-27891
- IONIZING RADIATION SOURCE HANDLING REGULATIONS IN
YUGOSLAVIA
JPRS-31993 N65-34102
- HANDLING QUALITY
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946
- RESCUE TECHNIQUES USING STANDARD STOKES LITTER
DESCRIBED FOR HANDLING INJURED PERSONS IN
WATER N65-29754
- HANDWRITING
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
- STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984
- HARTMANN FLOW
BLOOD FLOW CONSIDERED AS HARTMANN FLOW FOR
INHIBITION BY MAGNETIC FIELD
JPRS-30635 N65-25876
- HAZARD
SA AIRCRAFT HAZARD
SA FLIGHT HAZARD
SA METEOROID HAZARD
SA NOISE HAZARD
SA OPERATIONAL HAZARD
SA RADIATION HAZARD
SA SAFETY
SA TOXICITY AND SAFETY HAZARD
- BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL
OF RADIATION HAZARDS A65-81091
- PARACHUTING HAZARDS AND INJURIES
A65-81238
- PSYCHOPHYSIOLOGICAL HAZARDS OF MANNED SPACE
FLIGHT A65-81792
- MANNED SPACE FLIGHT - REVIEW OF PROBLEMS OF SENSOR
DEPRIVATION, ADAPTATION AND PHYSICAL HAZARDS
A65-81832
- PHYSICAL BARRIERS AND LIMITATIONS IN SPACE
EXPLORATION A65-81834
- SONIC BOOM - STRUCTURAL STABILITY AND
PHYSIOLOGICAL HAZARDS AND PROTECTIVE MEASURES
A65-81997
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES N65-29770
- HEAD
SA FACE
- HEAD INJURIES AND TREATMENT AT CAPE KENNEDY
MISSILE BASE A65-82079
- NURSING CARE IN CASES OF HEAD INJURY OF PERSONNEL
AT CAPE KENNEDY MISSILE RANGE A65-82080
- INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
- TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS
A65-82298
- CHANGES IN TEMPORAL AND ORBITAL CIRCULATION IN
PATIENTS WITH LESIONS OF CAROTID AND VERTEBRAL
ARTERIES OF HEAD - PLETHYSMOGRAM AND
RHOENCEPHALOGRAPH DATA
NASA-TT-F-295 N65-16593
- HEAD MOVEMENT
RETINAL IMAGE FIXATION DURING NORMAL BODY AND HEAD
MOVEMENT, EMPHASIZING NEUROMUSCULAR OUTPUTS TO
EYE-IN-SKULL AND SKULL-ON-BODY SPATIAL PLATFORMS
A65-26978
- HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND
MONKEY CAUSED BY ELECTRIC STIMULATION OF
SEMICIRCULAR CANAL NERVE A65-80156
- UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION
A65-80334
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION
RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR
APPARATUS A65-81694
- ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH
VARIED EFFERENT INPUT A65-82215
- HEALTH
SA HYGIENE
SA SANITATION
- HUMAN HEALTH AND DISEASE AS RELATED TO
ENVIRONMENT A65-80956
- SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR
TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY
OCCUPATIONAL EXPERIENCE A65-82122
- OCCUPATIONAL HEALTH PROGRAM FOR SPACE OPERATION AT
MERRIT ISLAND LAUNCH AREA AT CAPE KENNEDY
A65-82197
- HEALTH CHEMISTRY PROCEDURES FOR RADIOISOTOPE
SAFETY
UCRL-11700 N65-12830
- CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL
EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS
UCLA-12-551 N65-21823
- INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD -
STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON
CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND
TRACING PHENOL CONTENT IN AIR
JPRS-29981 N65-23776
- HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S/-R-64 N65-25154
- HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT
AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER
RADIATION EXPOSURE
PG-647/CC/ N65-25935
- SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING
OF THORIUM AND ITS COMPOUNDS
AEC-TR-6536/REV./ N65-26596
- HEALTH HAZARDS OF SMOKE DYES IN CURRENT USE
PA-TM-1674 N65-34680
- HEARING
SA BINAURAL HEARING
SA SOUND LOCALIZATION
- SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF
STAPEDIUS AND TENSOR TYMPANI MUSCLES
A65-80035
- SOUND LOCALIZATION IN FREE FIELD AND INTERAURAL
THRESHOLD DIFFERENCES A65-80037

- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE MODULATED TONES A65-80914
- SHIFTS IN AIR-CONDUCTION THRESHOLDS IN HUMANS PRODUCED BY PULSED AND CONTINUOUS CONTRALATERAL MASKING A65-81074
- DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC CONDITIONS A65-81076
- PHYSICS OF EAR AND HEARING A65-81164
- RELATIONSHIPS FOR TEMPORARY THRESHOLD SHIFTS PRODUCED BY THREE DIFFERENT NOISE SOURCES A65-81417
- MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND SIGNIFICANCE IN AUDIOMETRY A65-81770
- SPEECH ANALYSIS SYNTHESIS AND PERCEPTION OF SPEECH AND PHYSIOLOGY OF HEARING A65-81773
- AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH CORTICAL STIMULATION IN LATERAL THALAMUS A65-81926
- BALANCE AND HEARING INTERPRETED IN VIEW OF ANATOMY OF LABYRINTH A65-82138
- TESTING HEARING BY USING SPEECH AUDIOMETRY TO DETERMINE WORD GROUP PERCEPTION IN FITNESS EXAMINATIONS OF FLIGHT PERSONNEL N65-13707
- HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO FREQUENCY FIELDS GE/EE/64-11 N65-16662
- TRANSDERMAL HEARING SYSTEM USING MODULATED ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND PERCEPTION ER-0038 N65-20959
- ANIMAL STUDY OF HEARING SENSITIVITY AND PATTERNS N65-22296
- BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE AMRL-TR-65-11 N65-30036
- AUDIOLOGICAL RESEARCH PROJECT PROGRESS REPORT - AUDITORY FUNCTION OF IMPAIRED HEARING AD-465819 N65-30534
- AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS AND PRE-ADOLESCENT CHIMPANZEES NASA-CR-67297 N65-35104
- HEARING LOSS
SA DEAFNESS
- AUDITORY THRESHOLD IN RECRUITS BEFORE AND AFTER FIRING WEAPONS AS RELATED TO USE OF EAR PROTECTORS A65-80172
- HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA A65-80187
- TEMPORARY AND PERMANENT HEARING LOSS DURING PROLONGED EXPOSURE TO NOISE A65-80660
- NOISE-INDUCED HEARING LOSS AND BIOPHYSICAL LAW DESCRIBING LOSS A65-80817
- PREDICTING HEARING LOSS FROM NOISE-INDUCED TEMPORARY THRESHOLD SHIFT A65-80838
- HEARING-LOSS TREND CURVES AND DAMAGE-RISK CRITERION IN DIESEL-ENGINE ROOM PERSONNEL A65-80882
- DAMAGE RISK CRITERION AND CONTOURS BASED ON PERMANENT AND TEMPORARY HEARING LOSS DATA A65-80992
- PHONEMIC COMPLETION AND SOCIAL EVALUATION OF HEARING LOSS A65-81116
- ASSESSMENT OF HEARING DEFECTS OF SUBJECTS WORKING IN NOISY ENVIRONMENTS IN FINLAND A65-81214
- STATISTICAL STUDY OF HEARING LOSS WITH AGE AND MATHEMATICAL FORMULA DESCRIBING VARIATION IN AUDITORY SENSITIVITY A65-81221
- HEARING LOSS DUE TO EXPOSURE TO INDUSTRIAL NOISE A65-81258
- HEARING LOSS AT 1000-2000 C.P.S. AS RELATED TO SPEECH INTELLIGIBILITY PREDICTION A65-81337
- CRITERIA FOR ASSESSING RISK OF HEARING DAMAGE A65-81393
- SUDDEN HEARING LOSS- TREATMENT AND CASE HISTORIES A65-81431
- PROGRAM FOR HEARING CONSERVATION- HAZARDOUS NOISE EXPOSURE IN PERSONNEL AT NAHA AF BASE, OKINAWA A65-81432
- COMPARATIVE STUDIES OF AUDIOMETRIC BONE CONDUCTION AS INDICATOR OF HEARING IMPAIRMENT A65-81504
- HEARING LOSS AND AUDITORY FATIGUE IN INDUSTRIAL WORKERS EXPOSED TO DIFFERENT TYPES OF NOISE-CAUSES AND PROGRESS A65-81678
- VARIOUS ASPECTS OF NOISE HAZARD AND HEARING LOSS IN INDUSTRIAL PLANTS A65-81687
- TEMPORARY THRESHOLD SHIFT AFTER MONAURAL AND BINAURAL EXPOSURE TO HIGH INTENSITY STIMULI A65-81742
- HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS TO PERSONNEL MANAGEMENT A65-81783
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN LINE OF DUTY A65-81809
- HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE A65-81871
- DIFFERENTIAL DIAGNOSIS OF OCCUPATIONAL DISORDERS OF HEARING DUE TO NOISE HAZARDS A65-81929
- TOLERANCE THRESHOLD FOR ACOUSTICAL STIMULI A65-82251
- STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND REACTION TIME IN DETERMINING AUDITORY NEURAL LESIONS A65-82270
- PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO IMPULSE NOISE A65-82297
- ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE NOISE A65-82311
- CHANGES IN AUDITORY APPARATUS FROM LONG TERM NOISE EXPOSURE IN INDUSTRIAL WORKERS A65-82315
- SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS - INSTRUMENTATION, NASAL CAVITY STRUCTURES, ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS STL-QPSR-4/1964 N65-23850
- HEART
SA CARDIOGRAPHY
SA CARDIOVASCULAR SYSTEM
- HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALOACETIC-TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF MYOCARDIUM OF RAT A65-80154
- AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION OF NORMAL RHYTHM A65-80210

SUBJECT INDEX

HEART DISEASE

TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA
DURING HIGH ALTITUDE SIMULATION A65-80443

CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY A65-80451

OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK A65-80452

OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS A65-80453

MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK A65-80513

DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING
EXERCISE AND HYPOXIA A65-80990

SIGNIFICANCE OF ELECTROCARDIOGRAPHIC PATTERN FOR
ASSESSMENT OF DEGREE AND TYPE OF LEFT VENTRICULAR
HYPERTROPHY CORRELATION OF HEMODYNAMIC STATE TO
ELECTROCARDIOGRAM AT REST AND DURING WORK A65-81108

CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART A65-81383

EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE
OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING
EXPOSURE TO HYPOBARIC PRESSURE A65-81697

FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION
OF HUMAN SUBJECT DURING EXERCISE A65-81845

EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON
MYOCARDIAL OXYGEN TENSION IN DOGS A65-82186

PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR
CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY
METHYL DOPA A65-82191

HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD A65-82192

UPTAKE OF CATECHOLAMINES BY HEART OF RABBITS
TREATED WITH SEGONTIN, A NEW AMINE DRUG A65-82238

ALTERED CARDIAC MUSCLE TISSUE RETENTION OF
EXOGENOUS NORADRENALINE PRODUCED BY STRESS IN
YOUNG RABBITS A65-82316

OXYGEN SUPPLY OF HEART DURING RESPIRATION AT
EXCESS PRESSURE N65-13656

VECTORELECTROCARDIOGRAPHIC TECHNIQUES FOR
DETERMINING HEART POSITION DURING VIBRATION
GE/EE/64-23 N65-14413

HUMAN VISUAL ANALYZER AND ELECTRONIC MODEL OF
HEART - BIOPHYSICS AND PSYCHOLOGY JPRS-28234 N65-14747

INFLUENCE OF PROLONGED WEIGHTLESSNESS ON
AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED
AMPLIFICATION OF TONUS OF VAGUS NERVE N65-15445

BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615

ELECTRICAL AXIS OF FETAL HEART N65-16616

HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760

AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764

OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY N65-17787

HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION
OBSTRUCTION BY HEART TISSUE N65-17788

HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL
HEART DEFECTS OF BLUE AND PALLID TYPES N65-17789

HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE
N65-17792

BASAL METABOLISM AND EXTERNAL RESPIRATION IN
CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM
CONGENITAL HEART DEFECTS N65-17794

OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT N65-17834

MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM
AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS
N65-17836

MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE UCRL-12389 N65-19461

CLINICO-INSTRUMENTAL INVESTIGATION OF CONTRACTILE
FUNCTION OF HEART N65-25670

BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER
TO DETERMINE CARDIAC OUTPUT NASA-CR-58985 N65-32091

HEART DISEASE
SA FIBRILLATION

VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124

PROBLEMS POSED BY ATYPICAL VENTRICULAR
REPOLARIZATION DURING SELECTION AND CONTROL OF
FLYING PERSONNEL A65-80126

CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263

CARDIAC FUNCTION DURING EXERCISE AS RELATED TO
DISEASE A65-80555

MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557

CHANGES OF SERUM GLUTAMIC OXALOACETIC TRANSAMINASE
ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
IN SUBJECTS WITH AND WITHOUT HEART DISEASE
A65-80577

TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFARCTION A65-80588

EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY
A65-80632

CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME A65-80693

MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY
DISEASE A65-81550

HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND
PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL
SUBJECTS A65-81668

WEIGHTLESSNESS SUGGESTED AS THERAPY FOR CARDIAC
INSUFFICIENCY A65-81849

ELECTROCARDIOGRAM AND ISCHEMIC HEART DISEASE IN
AIRCRAFT PILOT SELECTION AND AIRCRAFT ACCIDENTS
A65-82351

- PATHOGENESIS OF ARTERIAL HYPOXEMIA IN RHEUMATIC
HEART DISEASE N65-17793 A65-80604
- OXYGEN DEFICIENCY OCCURRING IN HUMANS SUFFERING
CARDIAC VALVE DISEASE - MITRAL DISEASE N65-17797 A65-80921
- HYPOXIA DEVELOPMENT MECHANISM IN CARDIOVASCULAR
SYSTEM DISEASE N65-17799 A65-80974
- EMBOLISM AND PAROXYSMAL AURICULAR FIBRILLATION
NASA-TT-F-8552 N65-18178 A65-81172
- CARDIOLOGY - CLINICO-INSTRUMENTAL INVESTIGATION
OF MITRAL DISEASE JPRS-30490 N65-25669 A65-81173
- DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENCUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY N65-25672 A65-81204
- HEART FUNCTION
SA MUSCULAR FUNCTION
- ELECTRICAL MODEL OF HUMAN HEART, USING FOUR
CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE
POTENTIALS A65-10735 A65-81363
- FETAL CARDIAC ELECTRICAL AXIS OF VENTRICULAR
ACTIVITY BASED ON ELECTROCARDIOGRAMS A65-10736 A65-81689
- MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED
WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS
AMPLIFICATION A65-13397 A65-81821
- WEIGHTLESSNESS EFFECTS ON CIRCULATORY FUNCTIONS
FOR VARIOUS ACTIVITY LEVELS DETERMINED FROM SPACE
SIMULATOR, BED REST AND MANNED FLIGHT STUDIES A65-14528 A65-81899
- PRECORDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA
IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR
ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING
HEMODYNAMIC EVENTS DURATION A65-22329 A65-81945
- WOLFF-PARKINSON-WHITE / WPW/ CARDIAC SYNDROME
SYMPTOMS AND EFFECTS AND RELATION TO AIRCRAFT
PILOT CAPABILITY A65-30350 A65-82165
- HEART RATE USE FOR EVALUATING CARDIAC STRAIN
DURING TRAINING IN WOMEN A65-80074 A65-82171
- BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION A65-80205 A65-82210
- STRENGTH OF HEART AND EFFECT OF AGING A65-80206 A65-82212
- CARDIAC PERFORMANCE IN RELATION TO BLOOD VOLUME A65-80207 A65-82228
- HEART FUNCTION UNDER HYPOXIA AT HIGH ALTITUDE AND
RELATED PROBLEMS OF BLOOD AND PULMONARY RESPONSE A65-80208 A65-82250
- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION,
CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL
RESPONSE A65-80235 A65-82254
- CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE A65-80263 A65-82302
- CAROTID SINUS BARORECEPTOR REFLEX EFFECTS UPON
MYOCARDIAL CONTRACTILITY A65-80391 A65-82324
- CARDIAC FUNCTION DURING EXERCISE AS RELATED TO
DISEASE A65-80555 A65-82326
- ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR
FUNCTION TEST A65-80556 A65-82328
- SIMULTANEOUS CARDIOSCOPIC SCAN AND
VECTORCARDIOGRAPHIC RECORDING IN MAN A65-80556 A65-82329
- EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF
CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND
VOSTOK 6 A65-80921
- BLOOD CHANGES, HEART FUNCTION AND PULMONARY
RESPONSE TO ALTITUDE IN ACCLIMATIZED MEN A65-80974
- EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND
FUNCTION IN DOGS A65-81172
- CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC
GROUND SQUIRREL AND RAT A65-81173
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION A65-81204
- EFFECT OF ENVIRONMENT ON HEART RATE AND OXYGEN
CONSUMPTION DURING WORK-REST CYCLE A65-81363
- NORMAL VALUES OF CARDIOVASCULAR FUNCTION DURING
PHYSICAL EXERCISE - RELATIONSHIP OF PULSE RATE AND
STROKE VOLUME TO CARDIAC MINUTE VOLUME IN NORMAL
MALE ADULTS A65-81689
- HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION A65-81821
- STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899
- HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE A65-81945
- CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID,
CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE
OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT
DIFFERENT LOADS A65-82165
- MEASURING CARDIAC OUTPUT OF EXERCISING SUBJECTS
WITH SMALL, LIGHTWEIGHT PRECORDIAL COUNTER FOR
I125 ALBUMEN A65-82171
- HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL A65-82210
- PULSE RATE EFFECT ON CONTRACTION PHASES OF HEART
IN MAN AT DIFFERENT AGES A65-82212
- FUNCTIONAL CAPACITY OF HEART IN EXPERIMENTAL
HYPOKALEMIA IN MAN A65-82228
- CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING
HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL A65-82250
- HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND
HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL
EXERCISE A65-82302
- CARDIAC OUTPUT DURING REST AND PHYSICAL EXERCISE
IN MAN RELATED TO DIFFERENT TEST METHODS A65-82324
- EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR
VOLUME AND OXYGEN CONSUMPTION IN MAN A65-82326
- TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART
FUNCTION N65-16625
- CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND
RESPIRATION WITH NORMAL AND DEPRESSED THYROID
GLAND FUNCTIONING IN MOUNTAIN CONDITIONS N65-17825
- PHYSIOLOGICAL AND RADIOGRAPHIC FACTORS ASSOCIATED
WITH HEART FUNCTION IN MAN AND DOGS
NASA-CR-57145 N65-18490

SUBJECT INDEX

HEART RATE

- LIFE SUPPORT SYSTEMS TO REVERSE DEATH - USE OF SMALL ARTIFICIAL HEART PUMP IN DOGS
N65-22733
- CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC DATA
N65-23424
- HEART MINUTE VOLUME
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE MEASURED BY OBSERVING CHANGES IN INTRATHORACIC IMPEDANCES
A65-10727
- CIRCULATORY TIME AND HEART MINUTE VOLUME IN HEALTHY YOUNG MEN DURING PHYSICAL STRESS
A65-80694
- HEART MINUTE VOLUME DURING PHYSICAL EXERCISE AS INFLUENCED BY BODY SURFACE AREA AND AGE
A65-81348
- HEART RATE
ACCELERATION STRESS EFFECTS ON RATS HEART RATE, USING ELECTROCARDIOGRAMS
A65-10745
- OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM MUSCULAR EXERCISE OF FLYING CADETS
A65-20984
- PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF CLINICAL CORONARY ARTERY DISEASE
A65-22904
- PHYSICAL RISK AND RESPONSIBILITY FOR MISSION AS FACTORS IN MODULATING HEART RATE IN TEST PILOTS
A65-26167
- HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING HEART RATE
A65-28377
- BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEART RATE, BODY TEMPERATURE, AND SWEAT RATE RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND CAUCASIANS
A65-800a8
- CHLORALOSE AND PENTOBARBITAL EFFECT ON HEART RATE RESPONSE OF DOG TO CARBON DIOXIDE
A65-80076
- OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE EXERCISE
A65-80077
- INSTANTANEOUS HEART ACCELERATION DURING X-15 AIRCRAFT FLIGHT
A65-80082
- HUMAN HEART RATE CONDITIONING WITH NOISE AS UNCONDITIONED STIMULUS
A65-80094
- ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT
A65-80520
- CARDIAC RATE AS FUNCTION OF CHANGES IN RESPIRATION IN MAN
A65-80625
- HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING DAY AND NIGHT IN DESERT ENVIRONMENT
A65-80907
- EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE, ARTERIAL PRESSURE, AND HEART RATE IN COLD ACCLIMATED RAT
A65-80934
- HEART RATE OF RAT AS AFFECTED BY WATER INTAKE, PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS
A65-81135
- WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO HEART RATE AND OXYGEN UPTAKE
A65-81142
- OXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN DURING PHYSICAL EXERCISE
A65-81143
- HEART RATE RESPONSE TO HELD LUNG VOLUME IN INSPIRATORY AND EXPIRATORY POSITIONS
A65-81145
- RELATIONSHIP BETWEEN OXYGEN CONSUMPTION AND HEART RATE IN EVALUATION OF CARDIOVASCULAR FUNCTION IN PILOT CANDIDATES
A65-81264
- MEDICAL MONITORING OF HEART RATE PATTERNS DURING VARIOUS FLIGHT STRESS SITUATIONS
A65-81292
- HEART RATE OF TEST PILOTS OF HIGH PERFORMANCE AIRCRAFT AS AFFECTED BY RISK TAKING AND MISSION RESPONSIBILITY
A65-81293
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY ALTERATIONS DURING OVERSEAS FLIGHTS
A65-81296
- MONITORING OF PILOT HEART RATE BY MULTI-CHANNEL TELEMETRY DURING JET FLIGHT
A65-81436
- HEART RATE AND BLOOD PRESSURE CHANGES IN JET PILOTS
A65-81442
- PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF NEMBUTAL, HEXONIUM AND ALYMINAMINE ON DISTURBANCES OF RESPIRATION AND HEART RATE CAUSED BY X-RAY IRRADIATION OF CEREBELLUM IN DOGS
A65-81673
- STRESS SYNDROME RELATED TO ACHIEVEMENT MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM CHOLESTEROL
A65-81753
- HIBERNATION IN HEDGEHOG, ERINACEUS EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO GRADUALLY DECREASING OR INCREASING AMBIENT TEMPERATURE
A65-81765
- CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC NERVES
A65-81847
- COORDINATION OF HEART AND RESPIRATORY RATES DURING PHYSIOLOGICAL WORK
A65-81853
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
A65-81910
- HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE, AIR VELOCITY, AND EXERCISE
A65-81914
- HEART RATE CORRELATION WITH EJECTION TIME IN NORMAL INDIVIDUAL
A65-82210
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS BED REST AND PHYSICAL EXERCISE
A65-82367
- ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD PRESSURE, AND NET OXYGEN COST
NASA-CR-59419
N65-10119
- METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE DURING PROLONGED HYPOTHERMIA
AAL-TDR-64-4
N65-11890
- EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE AND CELL DIVISION IN MAN AND ANIMAL
NASA-CR-52453
N65-16486
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY PERSONNEL - HEART RATE CURVES DURING EXERCISE, RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS
NSAM-890
N65-24810
- MODIFIED TWO CHANNEL, INK SCRIBING ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT

HEAT

SUBJECT INDEX

- FOR RECORDING ELECTRO-OSCILLOGRAMS
N65-25673
- COMPUTER PROGRAMMING OF HEART-RATE PATTERNS
INCLUDING BASE HEART RATE AND RESPIRATORY AND
NONRESPIRATORY HEART-RATE REFLEX ACTIVITY
N65-28761
- HEART RATE MONITORING AND ANALYSIS DURING SPACE
ENVIRONMENT SIMULATION
SAM-TR-65-26
N65-31620
- DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE
NASA-TT-F-264
N65-34507
- HEAT
SA DRY HEAT
- BODY TEMPERATURE AND HEAT GENERATION DURING RADIAL
ACCELERATION STRESS IN RAT
A65-80050
- MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION
BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS
NASA-CR-63198
N65-25401
- HEAT ACCLIMATIZATION
SA THERMAL COMFORT
- BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN
RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEART RATE, BODY TEMPERATURE, AND SWEAT RATE
RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND
CAUCASIANS
A65-80068
- PHYSIOLOGICAL RESPONSES FACILITATING HEAT
ACCLIMATIZATION
A65-80490
- PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM
A65-80898
- REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT
ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL
EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS
A65-80901
- DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION
INDUCED BY HEAT STRESS AS INDICATION OF
ACCLIMATIZATION AND ALDOSTERONE ACTIVITY
A65-80958
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION,
AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE
TO HOT ENVIRONMENTS
A65-80962
- SALT REQUIREMENTS OF ACCLIMATIZED PEOPLE
PERFORMING PHYSICAL EXERCISE IN TROPICS
A65-80968
- RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO
INFUSED NOREPINEPHRINE AND BODY COOLING
A65-81299
- ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602
- RADIANT HEATING OF BODY IN ACCLIMATIZED AND
UNACCLIMATIZED SUBJECTS - SWEATING AND SKIN
TEMPERATURE IN BODY REGIONS HEATED BY INFRARED
A65-81692
- TEMPERATURE REGULATION IN COLD AND WARM ADAPTED
RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD
PRECOOLING
A65-82146
- HEAT BALANCE
LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION
A65-10693
- VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE
SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES
FROM MANNED CHAMBER TESTING
A65-10831
- HEAT CAPACITY
RADIATION LOAD BY DIRECT SUN RADIATION AND
SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING
- PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY
A65-80909
- HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT
A65-80910
- HEAT DISSIPATION
THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT
ENVIRONMENT DESCRIBED BY THEORETICAL MODEL
A65-81227
- HEAT EFFECT
SA ABLATION
- PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT
EFFECTS OF SUNLIGHT ON HUMAN BODY
A65-80492
- ELEVATION OF INTERNAL BODY TEMPERATURES DURING
TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1
N65-33342
- HEAT EXCHANGER
THREE-MAN SPACESUIT VENTILATOR CONSISTING OF HEAT
EXCHANGER AND HERMETIC COMPRESSOR
A65-15605
- METHOD FOR MEASUREMENT OF HUMAN HEAT EXCHANGE IN
COMPLEX RADIANT ENVIRONMENT
A65-81063
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES
FROM HEAT EXCHANGES OF PRESSURIZED SUITS
SAM-TDR-64-66
N65-16299
- HEAT GAIN
SOLAR HEAT GAIN OF CLOTHED HUMAN BODY IN HIMALAYA
COMPARED TO OTHER ENVIRONMENTS
A65-80975
- HEAT GENERATION
METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN
MAMMALS
A65-81743
- HEAT SHIELD
SA RADIATION SHIELDING
SA THERMAL PROTECTION
- TECHNICAL PROBLEMS AND MEANS OF PROTECTION AGAINST
SOLAR RADIATION
A65-80967
- HEAT SINK
INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR
BODY TEMPERATURE CONTROL
NASA-CR-63399
N65-26418
- HEAT SOURCE
ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION
N65-18592
- HEAT STROKE
PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM
A65-80898
- HEAT TOLERANCE
HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE,
PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND
PERFORMANCE
A65-29990
- HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID
ENVIRONMENT
A65-80305
- ASSESSMENT, MANAGEMENT AND CONTROL OF HEAT STRESS
A65-80635
- SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING
SEVERE HEAT EXPOSURE
A65-80679
- PHYSIOLOGICAL REGULATION IN MOIST HEAT BY YOUNG
AMERICAN NEGRO AND WHITE MALES
A65-80690
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION,
AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE
TO HOT ENVIRONMENTS
A65-80962
- TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134
- THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT

- ENVIRONMENT DESCRIBED BY THEORETICAL MODEL
A65-81227
- BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS
AND MUSCULAR EXERCISE A65-81603
- MENTAL PERFORMANCE AND TOLERANCE TO THERMAL STRESS
DURING VARIOUS EXPOSURE DURATIONS A65-82123
- HEAT TRANSFER
SA CONVECTIVE HEAT TRANSFER
SA THERMAL RADIATION
- HEAT ABSORBING CAPABILITIES OF ENVIRONMENT,
EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN
ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND
SWEAT RATE A65-28378
- METHOD OF CALCULATING TOTAL HEAT
LOSS IN HOMOIOTHERMIC ORGANISM A65-80231
- HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN
SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED
SUITS
NASA-CR-216 N65-23171
- HEAT-TRANSFER COEFFICIENT
HEAT TRANSFER FLUIDS IN COLD PLATE HEAT EXCHANGER
COMPARED IN TERMS OF RELATIVE FLOW AND PUMPING
POWER REQUIREMENTS
AICE PREPRINT 54C A65-15253
- HEATING
SA RADIANT HEATING
SA RADIO FREQUENCY HEATING
- TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE
HEATING AND COOLING
AMRL-TR-64-131 N65-19154
- HEATING EQUIPMENT
HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN
STATE OF HYPOTHERMIA
JPRS-30998 N65-28140
- HEAVY ION
HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST
CELLS FOR STUDY OF CELLULAR MODIFICATION N65-23466
- BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
EFFECTS IN ANIMALS AND MAN N65-34586
- HEAVY NUCLEUS
TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY
NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865
- HELICOPTER
MEDICAL SUPERVISION OF INJURED DURING TRANSPORT BY
HELICOPTER A65-81613
- HELICOPTER ROTOR-BLADE INJURIES AND MEANS OF
PREVENTION A65-81623
- SPINAL PAIN REACTION IN PILOTS AFTER MANY FLIGHT
HOURS IN HELICOPTERS A65-81819
- AERIAL GUNNERY, LOW LEVEL FLIGHT, AND NAVIGATION
TRAINING FOR HELICOPTER OPERATIONS N65-15738
- HELICOPTER CONTROL
FULL IFR FLIGHT DISPLAY SYSTEM FOR ROTARY WING OR
VERTICAL LIFT AIRCRAFT A65-31823
- HELIOS
S SUN
- HELIPORT
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94 N65-10648
- HELIUM
EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724
- EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM A65-80752
- DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159
- HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS N65-13675
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL
ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS
ENVIRONMENTS
NASA-CR-53543 N65-17057
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-
OXYGEN ATMOSPHERE
NASA-CR-56876 N65-22195
- HELMET
IMPACT TESTING OF HELMETS BY SWINGAWAY AND ANVIL
METHODS TO DETERMINE CAPABILITY TO ABSORB MULTIPLE
BLOWS A65-11395
- PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS
OF PRESSURIZED SUITS A65-80120
- LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR
AEROSPACE ENVIRONMENT
AMRL-MEMO-M-57 N65-11277
- COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS
CLD-1720 N65-19423
- HELMETS, EARPHONES, AND MICROPHONES FOR FLYING
PERSONNEL
AD-461367 N65-26948
- OPERATIONAL TEST AND EVALUATION OF HGU-15/P
FLYING HELMET FOR AIRCREW
TAC-TR-63-31/H/ N65-27637
- NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING
LAUNCHING
AD-460990 N65-34383
- HEMATOCRIT
SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH
SEXES LIVING AT HIGH ALTITUDE A65-81964
- HEMATOLOGY
SA BLOOD
- LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL A65-80115
- BLOOD-TYPING ROLE IN STUDYING ARID ZONE
POPULATIONS A65-80904
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE,
ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS,
AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS
BREATHING NEARLY PURE OXYGEN A65-82154
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
HEMATOLOGIC ALTERATIONS
ARL-TR-64-13 N65-20896
- HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING N65-25659
- HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP
UNDER KNOWN ENVIRONMENTAL CONDITIONS
AFWL-TR-65-109 N65-34145
- HEMATOPOIETIC SYSTEM
ROLE OF HYPOTHALAMUS ON ERYTHROPOIETIC RESPONSE TO
HYPOXIA IN RABBIT A65-80039
- REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS
AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE
A65-80755
- SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC
PRESSURE A65-81174

HEMODYNAMIC RESPONSE

SUBJECT INDEX

- QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION A65-81535
- TRANSPLANTS OF HEMOPOIETIC TISSUE AS RADIOPROTECTIVE MECHANISM IN RABBITS A65-81676
- COMPARATIVE STUDY OF DAMAGE TO HEMOPOIETIC SYSTEM AND PARTICULATE COMPONENTS OF PERIPHERAL BLOOD BY HIGH ENERGY PROTONS AND GAMMA RADIATION IN RATS A65-82179
- BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL INDICES, AND SURVIVAL OF DOG DURING X-RAY IRRADIATION OF LOWER BODY A65-82365
- HEMODYNAMIC RESPONSE**
- SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL HEMODYNAMICS A65-80175
- HEMODYNAMIC CHANGES DURING ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80277
- HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80294
- INCREASING AGE EFFECT ON DISTRIBUTION OF PERIPHERAL AND REGIONAL FLOW IN MAN A65-80814
- HEMODYNAMIC RESPONSE OF LOWER EXTREMITIES TO EXERCISE A65-81127
- INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN TRAINED DOGS A65-81144
- BLOOD HISTAMINE AND HISTIDINE DURING HEMODYNAMIC CHANGES OF MEN EXPOSED TO HIGH ENVIRONMENTAL TEMPERATURE A65-81181
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO HYPERBARIC OXYGENATION A65-81204
- HEMODYNAMIC RESPONSE IN DOGS TO CHRONIC DISCONTINUOUS HYPOXIA A65-81844
- HEMODYNAMIC RESPONSES AND RESPIRATION DURING ACCELERATIONS N65-13659
- HEMODYNAMIC INDEXES OBTAINED BY MECHANOCARDIOGRAPHIC METHOD N65-13761
- MEASUREMENT OF AORTIC, LEFT AND RIGHT VENTRICULAR, PULMONARY CAPILLARY AND ARTERIAL PRESSURES, HEART RATE, CARDIAC AND STROKE INDEX, AND OTHER HEMODYNAMIC DATA ON MACACA MONKEYS AMRL-TDR-64-69 N65-13994
- HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION OBSTRUCTION BY HEART TISSUE N65-17788
- HEMODYNAMIC CHANGES IN HUMAN BLOOD DURING POLAR WINTER FTD-TT-64-285/1 N65-19194
- HEMODYNAMIC EVALUATION OF PRIMATES BEFORE, DURING, AND AFTER LONG PERIODS OF WEIGHTLESSNESS IN EARTH-ORBITING SATELLITE N65-28758
- HEMOGLOBIN**
- SA OXYHEMOGLOBIN
- DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE A65-80116
- KINETICS OF REACTION OF HUMAN HEMOGLOBIN WITH CARBON MONOXIDE A65-80279
- CODING TRIPLETS IN EVOLUTION OF HEMOGLOBIN AND CYTOCHROMES C GENES A65-80488
- ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION HEMOGLOBIN IN RATS A65-80538
- ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS ADAPTED TO HYPOXIA A65-80590
- PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN A65-80696
- FORMATION OF METHEMOGLOBIN IN RABBITS AFTER INTRAVENOUS INJECTION OF CHEMICAL RADIOPROTECTORS A65-81267
- SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH SEXES LIVING AT HIGH ALTITUDE A65-81964
- OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN DURING ACCLIMATIZATION TO HYPOXIA N65-17815
- SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE TO HEMOGLOBIN IN RAT AND PIGEON BLOOD N65-26380
- BLOOD CIRCULATION IN MICE AND RATS TRACED FOR DETERMINING INFLUENCE OF ANTIRADIATION DRUGS ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN IN ORGANS N65-26390
- HEMOLYSIS**
- EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO OXYGEN UNDER HIGH PRESSURE A65-81129
- TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM IRRADIATED RATS JPRS-28981 N65-17890
- TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC SHOCK IN DOGS N65-22763
- HEMORRHAGE**
- TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC SHOCK IN DOGS N65-22763
- INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND EDEMA IN MONKEYS SAM-TDR-64-18 N65-30745
- HEPARIN**
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS DURING HYPOXIA - ANIMAL STUDY SAM-TR-64-78 N65-34068
- HERMETIC SEAL**
- HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY SEALED CABINS FOR STRATOSPHERIC FLIGHTS ATD-P-65-13 N65-19784
- HEXAMETHONIUM**
- ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND EPINEPHRINE A65-81025
- HIBERNATION**
- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION IN ACTIVE AND HIBERNATING, IRRADIATED AND NONIRRADIATED GROUND SQUIRREL A65-20020
- CORE TEMPERATURE INFLUENCE UPON DURATION OF HIBERNATION OF GROUND SQUIRREL, CITELLUS LATERALIS A65-81139
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR /CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP HYPOTHERMIA A65-81456
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA MONAX - BIOCHEMICAL AND PHARMACOLOGICAL INVESTIGATIONS OF BLOOD AND BROWN FAT A65-81457
- CHANGES IN REGIONAL BLOOD FLOW AND BLOOD VOLUME DURING AROUSAL FROM HIBERNATION IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS A65-81458
- TRANSFER OF INCREASED TOLERANCE TO LOW BODY

SUBJECT INDEX

HIGH ALTITUDE

TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460

RELATIVE VISCOSITY AND OTHER FUNCTIONS OF BLOOD OF
HIBERNATING AND ACTIVE ARCTIC GROUND SQUIRRELS,
CITELLUS UNDULATUS A65-81461

ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND
SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN
HIBERNATION FOR 14, 28 AND 56 DAYS A65-81462

AUTONOMIC NERVOUS INFLUENCE ON HEART OF
HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG,
ERINACEUS EUROPEUS A65-81463

SOME ASPECTS OF WATER BALANCE IN HIBERNATING BAT,
MYOTIS LUCIFUGUS. A65-81464

SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS A65-81465

STATE OF WATER IN TISSUES OF HIBERNATORS
A65-81466

EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL,
CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING
CYCLE A65-81467

EXPERIMENTAL HYPOTHERMIA AND BROWN ADIPOSE TISSUE
IN RAT RELATED TO HIBERNATION A65-81468

DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA,
INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING
ANIMALS AS RELATED TO BODY TEMPERATURE A65-81469

TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS
AND C. SPILOSUM/ FOR WATER DEPRIVATION DURING
HIBERNATION A65-81470

THYROID GLAND ACTIVITY IN HEDGEHOG ERINACEUS
EUROPAEUS DURING HIBERNATION A65-81472

INFLUENCE OF HIBERNATION AND INTERMITTENT
HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGLUTININS
IN GROUND SQUIRREL, CITELLUS CITELLUS A65-81497

HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON
RED BLOOD CELLS IN HAMSTER A65-81498

AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHER/ OF
GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499

ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL A65-81500

EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID
ACTIVITY AND IODINE 131 METABOLISM IN MESOCRICETUS
AURATUS A65-81594

RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES
IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX,
DURING HIBERNATION A65-81681

COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL
DURING COLD EXPOSURE IN HIBERNATING AND
NON-HIBERNATING RODENTS A65-81707

HIBERNATION OF HEDGEHOG, ERINACEUS
EUROPAEUS - PERIODICITY OF HIBERNATION OF
UNDISTURBED ANIMALS DURING WINTER AT CONSTANT
AMBIENT TEMPERATURE A65-81764

HIBERNATION IN HEDGEHOG, ERINACEUS
EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO
GRADUALLY DECREASING OR INCREASING AMBIENT
TEMPERATURE A65-81765

BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL
DURING HIBERNATION AND INDUCED HYPOTHERMIA
AAL-TDR-63-21 N65-10255

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE
RADIATION ON HIBERNATORS
NASA-CR-50546 N65-17058

TRITON HIBERNATION IN FROST ENVIRONMENT
NASA-TT-F-9162 N65-18336

HIGH ALTITUDE

URINARY EXCRETION OF EPINEPHRINE AND
NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE
A65-80113

THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH
ALTITUDE A65-80119

HEART FUNCTION UNDER HYPOXIA AT HIGH ALTITUDE AND
RELATED PROBLEMS OF BLOOD AND PULMONARY RESPONSE
A65-80208

DIET SURVEY OF QUECHUA INDIANS AT HIGH ALTITUDE IN
PERUVIAN ANDES A65-80449

PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH
ALTITUDE EXPOSURE A65-80493

PATHOLOGIC AND PHYSIOLOGIC EFFECT ON MAN EXPOSED
TO HIGH ALTITUDE A65-80499

EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL
FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM
IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647

HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809

EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY
SIZE IN RATS A65-81429

SPINAL CORD CONVULSIONS IN DEVELOPING RAT AT HIGH
ALTITUDE /12,470 FT., 3,800 M./ A65-81587

CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606

EFFECT OF HIGH ALTITUDES ON PULMONARY CARBON
DIOXIDE PARTIAL PRESSURE A65-81876

EFFECT OF DIFFERENT DEGREES OF HYPOXIA ON
SENSITIVITY TO EPILEPTOGENIC AGENT AND ON MOTOR
UNIT FUNCTION OF BRAIN IN RATS A65-81877

INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT
HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
A65-81901

PREVENTION OF HYPERTENSION CAUSED BY INDUCED
KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOG
A65-81988

PERFORMANCE AND RUNNING TIME OF ATHLETES AT
ALTITUDE AND SEA LEVEL A65-82144

PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND
NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING
AND INSULIN A65-82168

ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS
LIVING AT HIGH ALTITUDE A65-82252

HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305

EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE
HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704

HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES
TAC-TR-63-18 N65-16669

CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,

- RESPIRATION, CIRCULATION, AND APNEA
JPRS-30577 N65-25459
- EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS
FTD-TT-65-259/1 N65-25856
- COMMERCIAL MODEL GAS CHROMATOGRAPHY FOR
PHYSIOLOGIC GAS ANALYSIS AT HIGH ALTITUDE
SAM-TR-65-2 N65-26617
- HIGH ALTITUDE BREATHING**
ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347
- FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING
CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH
ALTITUDE A65-81185
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON
MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH
SEA LEVEL NATIVES N65-33244
- HIGH ALTITUDE ENVIRONMENT**
HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND
CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST
FLIGHTS A65-29068
- HUMAN FACTORS PROBLEMS OF CONCORD /SUPERSONIC,
HIGH-ALTITUDE TRANSPORT AIRCRAFT/ A65-82370
- ADAPTATION TO HYPOXIA AND HIGH ALTITUDE
ACCLIMATIZATION N65-17745
- COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA
ACCLIMATIZATION N65-17752
- ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF
CHILDREN BORN AND RAISED IN HIGH ALTITUDE
ENVIRONMENT N65-17759
- PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION
TO HIGH MOUNTAINS N65-17812
- MECHANISMS USED BY ORGANISMS TO ADAPT TO HIGH
ALTITUDE CONDITIONS N65-17818
- ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY
AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT
AIR TEMPERATURE OF MOUNTAINS N65-17819
- CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN
ALTITUDES N65-17820
- BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH
MOUNTAIN ENVIRONMENT ACCLIMATIZATION N65-17821
- HIGH MOUNTAIN FACTORS ON REFLEX RELATIONSHIPS
BETWEEN RENAL AND SALIVARY FUNCTION N65-17822
- URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH
MOUNTAIN CONDITIONS N65-17823
- CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS
IN HIGH ALTITUDE ENVIRONMENT N65-17824
- CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND
RESPIRATION WITH NORMAL AND DEPRESSED THYROID
GLAND FUNCTIONING IN MOUNTAIN CONDITIONS N65-17825
- VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN
HIGH ALTITUDE ENVIRONMENT N65-17826
- INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS
IN HIGH ALTITUDE ENVIRONMENT N65-17827
- CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH
ALTITUDES N65-17828
- CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND
BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE
AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES
N65-17829
- INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY
FUNCTION IN BRONCHIAL ASTHMA PATIENTS N65-17830
- MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH
BRONCHIAL ASTHMA N65-17831
- PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY
ACCLIMATIZATION TO HIGH ALTITUDES N65-17832
- MOUNTAIN CLIMATE THERAPY IN HYPERTENSION IN DOGS
N65-17833
- OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT N65-17834
- BLOOD PRESSURE NORMS FOR NATIVE MOUNTAIN
INHABITANTS N65-17835
- MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM
AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS
N65-17836
- CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND
RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER
MOUNTAIN ENVIRONMENT CONDITIONS N65-17837
- HIGH MOUNTAIN PSYCHOTHERAPY OF MENTAL PATIENTS
N65-17838
- TREATMENT OF SCHIZOPHRENIA PATIENTS BY RESIDENCE
IN HIGH MOUNTAINS N65-17839
- COURSE OF PSYCHOMOTOR AND MANIC DEPRESSIVE
PSYCHOSIS UNDER HIGH MOUNTAIN CONDITIONS N65-17840
- PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE
FLIGHT NASA-TT-F-9257 N65-18180
- HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY
SEALED CABINS FOR STRATOSPHERIC FLIGHTS
ATD-P-65-13 N65-19784
- RUSSIAN STUDIES OF PHYSIOLOGICAL EFFECTS OF
HIGH MOUNTAIN ENVIRONMENTS - APPLICATIONS TO
AVIATION MEDICINE N65-21733
- EFFECT OF CLIMATIC FACTORS ON ACCLIMATIZATION TO
HIGH ALTITUDE ENVIRONMENTS JPRS-31761 N65-32377
- HIGH ALTITUDE FLYING**
CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS
DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT
AMBIENT ENVIRONMENT A65-12527
- POLARGOGRAPHY APPLIED TO DETERMINATION OF OXYGEN
TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING
CONDITIONS A65-80090
- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION,
CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL
RESPONSE A65-80235
- PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN
TASTE SENSATION AND RELATION TO HIGH ALTITUDE
FLYING A65-80396
- DEVELOPMENT AND HISTORY OF PRESSURE SUIT FOR HIGH
ALTITUDE FLYING A65-80624
- OXYGEN CONSUMPTION DURING FLIGHT OF MODERATE G
LOAD AT HIGH ALTITUDE A65-81070
- SOVIET HIGH ALTITUDE PRESSURE SUIT DEVELOPMENT
FROM 1934-1955 A65-81972
- HUMAN FACTORS PROBLEMS OF CONCORD /SUPERSONIC,
HIGH-ALTITUDE TRANSPORT AIRCRAFT/ A65-82370
- HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY
SEALED CABINS FOR STRATOSPHERIC FLIGHTS
ATD-P-65-13 N65-19784

SUBJECT INDEX

HIGH TEMPERATURE ENVIRONMENT

HIGH ALTITUDE TESTING

HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING BOEING HIGH ALTITUDE CHAMBER AS TEST BED
NASA-CR-134 N65-12076

BODY-CHARACTERISTICS EFFECT ON HUMAN TEMPERATURE RESPONSES TO HIGH ALTITUDE COLD
AD-422588 N65-15129

HIGH ENERGY

RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781

RADIOBIOLOGICAL PROBLEMS IN PROTECTION, PREVENTION, AND THERAPY OF HIGH ENERGY RADIATION INJURY
DI/HP/39 N65-14173

HIGH ENERGY ELECTRON

FUNDAMENTAL STUDIES ON HIGH ENERGY RADIATION SHIELDING BY VARIOUS METALS
A65-80101

COMMUNIST CHINA SCIENCE AND TECHNOLOGICAL REPORTS - ORAL CONTRACEPTIVE STEROIDS, SECONDARY ELECTRON, ENTOMOLOGY, SCHISTOSOMIASIS PREVENTION, AND DRUG TREATMENT
JPRS-30299 N65-24887

HIGH FREQUENCY

HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN STOMACH AND INTESTINE IN DOGS
A65-80710

RELIABILITY OF HIGH-FREQUENCY THRESHOLD MEASUREMENT
A65-82296

BIOLOGICAL EFFECTS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD
FTD-TT-64-898/162 N65-22067

HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN STATE OF HYPOTHERMIA
JPRS-30998 N65-28140

BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME FLUIDS
ATD-T-65-56 N65-35916

HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER OF HUMAN TO DETERMINE THRESHOLD VALUE FOR LIFE-SUPPORT NOISE IN MANNED SPACECRAFT
NASA-TT-F-9596 N65-36755

HIGH GRAVITY ENVIRONMENT

COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS
A65-14386

PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF HIGH GRAVITY ON MAN
A65-29102

PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS, AND BLOOD OF RAT.
A65-81746

HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN
N65-33630

HIGH POWER

REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR ROCKET REACTOR
N65-10875

HIGH PRESSURE OXYGEN

CONVULSIONS CAUSED BY HIGH PRESSURE OXYGEN / OHP/ AND RELATIONSHIP TO PARALYSIS
A65-14233

GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY HYPERBARIC OXYGEN
A65-80725

EFFECT OF COMPRESSION ON COMPOSITION AND ABSORPTION OF TISSUE GAS POCKETS IN RATS
A65-81907

SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY AND LIPID PEROXIDATION
A65-82358

INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO LIPID AND ACETYLCHOLINESTERASE
A65-82360

HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS, AND RABBITS
N65-19217

HIGH SPEED FLYING

PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT
A65-80533

NAVIGATION AND EMERGENCY TASK LOADING EFFECT ON PILOT PERFORMANCE DURING LOW ALTITUDE HIGH SPEED FLIGHT SIMULATION
USATRECOM-TR-64-69 N65-24254

HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH SPEED FLIGHT - PILOT TASK LOADING, FUNCTION ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION
AD-460918 N65-27205

MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED AIRCRAFT AT LOW ALTITUDE
N65-28454

HIGH TEMPERATURE

THERMAL SYNTHESIS OF AMINO ACIDS FROM HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE
A65-80475

THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH POLYPHOSPHORIC ACID
A65-80481

HIGH TEMPERATURE ENVIRONMENT SA THERMAL ENVIRONMENT

HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS
A65-14383

OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD, AND THERMONEUTRAL WATER
A65-80078

INFLUENCE OF HIGH TEMPERATURE ON BIOELECTRIC ACTIVITY OF MUSCLE IN RABBIT
A65-80234

ASCORBIC ACID METABOLISM OF ALBINO RATS AND GUINEA PIGS EXPOSED TO HIGH TEMPERATURE ENVIRONMENT AS AFFECTED BY VITAMIN P
A65-80265

NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR MEN AT WORK IN HOT CONDITIONS
A65-80274

RECTUM, LOWER ESOPHAGUS, AND TYMPANUM TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM OF SUBJECTS DURING REST AND WORK UNDER HOT AND COLD ENVIRONMENTAL TEMPERATURES
A65-80276

SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN ACCLIMATIZATION TO WORK IN HEAT
A65-80304

HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID ENVIRONMENT
A65-80305

PHYSICAL WORK PERFORMANCE AS AFFECTED BY ENVIRONMENTAL CONDITIONS
A65-80321

SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL COOLING WITHIN VERTEBRAL CANAL
A65-80322

SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER PREFERRERS REFLECTED THROUGH BLOOD PRESSURE AND SKIN TEMPERATURE DIFFERENCES
A65-80350

INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL AND AUDITORY PERCEPTUAL EFFICIENCY
A65-80381

PHYSIOLOGICAL RESPONSES FACILITATING HEAT ACCLIMATIZATION
A65-80490

PATHOLOGIC AND PHYSIOLOGIC EFFECTS OF HEAT

- EXPOSURE IN MAN A65-80497
- NUTRITIONAL REQUIREMENTS IN HOT AND COLD ENVIRONMENTS AS RELATED TO AGE A65-80500
- TIME COURSE OF DECLINE IN SWEATING PRODUCED BY IMMERSION IN WARM WATER A65-80510
- PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT TEMPERATURE A65-80547
- PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF TWO AGE GROUPS IN HOT CONDITIONS A65-80629
- PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636
- PSYCHOLOGICAL EFFECT OF HEAT STRESS A65-80637
- ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION A65-80662
- OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES OF MAN TO WORK IN HOT ENVIRONMENTS A65-80675
- TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN A65-80676
- CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT STRESS A65-80677
- ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK AND HEAT STRESS A65-80678
- SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING SEVERE HEAT EXPOSURE A65-80679
- OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT ENVIRONMENT A65-80705
- PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH TEMPERATURES IN MAN A65-80848
- EFFECT OF HIGH TEMPERATURE ON UROPEPSIN CONTENT IN MAN A65-80849
- PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL ACTIVITY IN HOT ENVIRONMENT AND RELATION TO APPETITE AND BODY TEMPERATURE A65-80900
- BLOOD-TYPING ROLE IN STUDYING ARID ZONE POPULATIONS A65-80904
- PHYSICAL WORK CAPACITY OF MAN AND ITS DIMINUTION BY HEAT STRESS A65-80906
- NEUROPHYSIOLOGY OF HEAT EXPOSURE A65-80911
- HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD LEVEL A65-80913
- INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE METABOLISM IN HOT DRY REGION AS AFFECTED BY PHYSICAL ACTIVITY A65-80952
- HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING WATER OF LOW SALT CONTENT A65-80955
- SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER CONDITIONS OF WORK IN HOT CLIMATE A65-80957
- DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION INDUCED BY HEAT STRESS AS INDICATION OF ACCLIMATIZATION AND ALDOSTERONE ACTIVITY A65-80958
- DIURNAL AND SEASONAL METABOLIC CHANGES IN ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS LIVING IN HOT CLIMATE A65-80960
- HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT A65-80961
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION, AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE TO HOT ENVIRONMENTS A65-80962
- ACID-BASE BALANCE CHANGE AFTER EXPOSURE TO HOT, ARID CONDITIONS RELATED TO HYPERVENTILATION A65-80963
- ENERGY REQUIREMENTS OF MEN WORKING AND LIVING IN EXTREME HEAT A65-80970
- ANTHROPOMETRIC MEASUREMENTS OF INDIAN SUBJECTS ACCLIMATIZED TO HOT AND COLD CLIMATES A65-80971
- THERMAL COMFORT STANDARDS INFLUENCED BY GROUP DIFFERENCES A65-80972
- BLOOD LACTIC ACID IN BENGALI MALES LIVING IN TROPICAL CLIMATE - EFFECT OF PHYSICAL EXERCISE A65-80973
- WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN RELATION TO FEEDING A65-80976
- INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM BICARBONATE IN RAT AS AFFECTED BY WATER DEPRIVATION AND THERMAL STRESS A65-81000
- METHOD FOR MEASUREMENT OF HUMAN HEAT EXCHANGE IN COMPLEX RADIANT ENVIRONMENT A65-81063
- THERMOREGULATION AND HYPOTHALAMUS IN MAN IN HOT AND COLD ENVIRONMENTS A65-81082
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT A65-81132
- SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING ENVIRONMENTAL TEMPERATURE A65-81133
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS A65-81135
- BLOOD HISTAMINE AND HISTIDINE DURING HEMODYNAMIC CHANGES OF MEN EXPOSED TO HIGH ENVIRONMENTAL TEMPERATURE A65-81181
- THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT ENVIRONMENT DESCRIBED BY THEORETICAL MODEL A65-81227
- EFFECT OF ENVIRONMENT ON HEART RATE AND OXYGEN CONSUMPTION DURING WORK-REST CYCLE A65-81363
- TECHNIQUE USING MONKEY FOR MEASURING ACCEPTABILITY OF AIR MOVEMENT AT HIGH TEMPERATURE A65-81476
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION, AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO HEAT AND COLD A65-81604
- VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT, COLD, EXERCISE, AND WATER DEPLETION A65-81634
- EFFECT OF DRY HEAT ON CEREBRAL BLOOD CIRCULATION IN MAN A65-81691
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER A65-81910
- INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN ENVIRONMENTAL TEMPERATURE A65-81912
- SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL WARM WATER IMMERSION A65-81916
- HUMAN TOLERANCE TO POSITIVE ACCELERATION AS AFFECTED BY DEHYDRATION DURING HEAT STRESS

SUBJECT INDEX

HISTORY

- A65-82116
EVALUATION OF PRESSURE SUIT COOLING SYSTEMS IN
HOT ENVIRONMENTS A65-82124
TEMPERATURE REGULATION IN YOUNG WOMEN A65-82163
FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO
AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT A65-82167
COMBINED EFFECT OF HOT CLIMATE AND ULTRA HIGH
FREQUENCY RADIATION ON CENTRAL NERVOUS SYSTEM OF
WORKING PERSONNEL ENGAGED ON ULTRA HIGH FREQUENCY
PROJECTS A65-82184
- HILL REACTION**
HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST
EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION,
USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS
NASA-CR-52090 N65-16984
HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH N65-35580
NASA-CR-67374
- HIMALAYA**
SOLAR HEAT GAIN OF CLOTHED HUMAN BODY IN HIMALAYA
COMPARED TO OTHER ENVIRONMENTS A65-80975
- HISTAMINE**
ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651
EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND
HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL
INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717
BLOOD HISTAMINE AND HISTIDINE DURING HEMODYNAMIC
CHANGES OF MEN EXPOSED TO HIGH ENVIRONMENTAL
TEMPERATURE A65-81181
HISTAMINE DIHYDROCHLORIDE AND HISTAMINE
DIPHOSPHATE PROTECTIVE EFFECTS ON RAT AGAINST
WHOLE BODY IONIZING IRRADIATION A65-81889
EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE
IN TISSUE AND EARLY RADIATION DAMAGE TO
HISTHEMATIC BARRIERS FTD-TT-64-644/1 N65-11100
RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN
RATS FTD-TT-64-202/162 N65-12171
ANTICHOLINERGICS, ANTIHISTAMINES, AND
TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION
SICKNESS DRUGS AD-611394 N65-22889
NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND
RELATIONSHIP BETWEEN NERVOUS AND HUMORAL
PROCESSES - INJECTIONS OF SEROTONIN AND
HISTAMINE JPRS-31968 N65-33429
- HISTOLOGY**
SKIN AND MUSCLE LESIONS IN RATS DUE TO PROLONGED
ACCELERATION STRESSES A65-10862
COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY
TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL
CHANGES A65-14574
CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL
CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE
LEVELS A65-14804
HISTOLOGICAL STUDY OF ORGANS OF MICE IRRADIATED
WITH CO 60 AND GRAFTED WITH HOMOLOGOUS BONE
MARROW A65-20985
LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING
LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL
- VARIATIONS AND AGENTS RESPONSIBLE A65-29012
HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF
SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING
A65-80834
OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND A65-81216
HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE
MARROW OF MICE TWICE IRRADIATED WITH COBALT 60
DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE
MARROW A65-81265
ORGAN OF CORTI- HISTOPHYSIOLOGY AND
HISTOCHEMISTRY A65-81422
EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST
CELLS AND METACHROMASIA OF RAT SKIN A65-81597
REDUCTASE ACTIVITY AND SULFHYDRYLS IN
DEHYDROGENASE HISTOCHEMISTRY OF HUMAN GINGIVA
SAM-TDR-64-48 N65-12007
VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND
BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL
ACCELERATIONS N65-13719
HISTOCHEMICAL EXAMINATION OF CHANGES IN
DISTRIBUTION OF EFFECT OF SUCCINIC
DEHYDROGENASE, CARBOANHYDRASE, ATP AND
SULFHYDRYL GROUPS OF INNER ORGANS IN HYPOXIA
N65-13758
INFLAMMATORY AND DEGENERATIVE LESIONS IN
APPARENTLY NORMAL SQUIRREL MONKEYS
NASA-CR-60193 N65-15139
COMPARATIVE HISTOLOGICAL STUDY OF REINFORCED AREA
OF SACCCULAR MEMBRANE IN MAMMALS
NASA-CR-60389 N65-19746
DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561
HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666 N65-29243
HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO
COLD AAL-TDR-64-9 N65-35630
ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573 N65-36594
- HISTORY**
HISTORY OF BIOGENETIC AND ABIOGENETIC THEORIES
A65-80470
HISTORY AND POPULAR ACCOUNT OF DEVELOPMENT AND
OPERATIONS OF APOLLO PROJECT A65-80584
DEVELOPMENT AND HISTORY OF PRESSURE SUIT FOR HIGH
ALTITUDE FLYING A65-80624
FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND
MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS
A65-80730
EVOLUTION OF ENVIRONMENTAL CHAMBER DESIGN
A65-80808
AGOSTINO GEMELLI, PIONEER OF AEROSPACE MEDICAL
STUDIES IN ITALY A65-80924
CONTRIBUTION OF AGOSTINO GEMELLI TO PROGRESS OF
GENERAL AND AVIATION PSYCHOLOGY A65-80925
AVIATION MEDICINE AND RESEARCH IN FIELD OF
OTORHINOLARYNGOLOGY IN WORK OF AGOSTINO GEMELLI
A65-80926
WILEY POST- HISTORICAL FIRST TEST OF HIGH
ALTITUDE PRESSURE SUITS IN UNITED STATES

- A65-81399
- HISTORY OF SPANISH CONTRIBUTIONS TO AVIATION AND SPACE MEDICINE A65-81828
- HISTORICAL REVIEW AND CURRENT PROBLEMS IN MONITORING HEALTH OF ASTRONAUTS A65-81835
- EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE SYSTEMS A65-81851
- DEVELOPMENT OF SOVIET FLIGHTSUIT AND SPACESUIT A65-81959
- SOVIET HIGH ALTITUDE PRESSURE SUIT DEVELOPMENT FROM 1934-1955 A65-81972
- PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING A65-82128
- HOMEOSTASIS**
- CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT SIMULATED ALTITUDE A65-80795
- HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES DURING HYPOXIC HYPOXIA JPRS-28921 N65-19810
- HORMONE**
- SA ADRENOCORTICOTROPIN /ACTH/
SA ALDOSTERONE
SA BRADYKININ
SA INSULIN
- VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION METHOD, EXAMINING EFFECT ON BLOOD PRESSURE A65-26747
- INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH, STUDIED BY RADIOASSAY A65-31319
- ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE, PROMETHAZINE, AND PLANT HORMONES AS RELATED TO ACCELERATION TOLERANCE OF RAT A65-80141
- PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL CHOLINE IN RAT A65-81736
- EXCRETION OF STEROID HORMONES WITH URINE DURING LONG NIGHT FLIGHTS BY AIRCRAFT CREWS N65-13676
- GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN ABSENCE OF GRAVITATIONAL EFFECTS NASA-CR-53405 N65-15369
- HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH N65-17803
- HORMONE METABOLISM**
- BOUND AND FREE CORTICOSTEROID IN PLASMA OF TWO SUBSPECIES OF DEER MICE, PEROMYSCUS MANICULATUS, AFTER EXPOSURE TO LOW AMBIENT TEMPERATURE IDENTIFIED THROUGH CHROMATOGRAPHY A65-80511
- HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT A65-80961
- PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS AFFECTED BY BED REST AND ISOMETRIC EXERCISE A65-81294
- ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR SIMULATED AIRCRAFT FLIGHT A65-81729
- PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING AND INSULIN A65-82168
- HUMAN**
- CHEMICAL BASIS OF CUTANEOUS PERCEPTION IN MAN AS AFFECTED BY LIGHT A65-80798
- CORRELATION ANALYSIS OF CHANGES IN HUMAN ELECTROENCEPHALOGRAPH DURING DEVELOPMENT OF RHYTHMIC MOTOR STEREOTYPY A65-82206
- STRONTIUM 90 IN HUMAN BONE - RADIATION HAZARD EVALUATION REPT.-10 N65-29860
- PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS AEET/HP/TH-21 N65-31022
- HUMAN ACCLIMATIZATION TO HOT CLIMATE CONDITIONS - MEDICAL RESEARCH JPRS-31463 N65-31717
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL COMPUTERS GGC/EE/65-10 N65-35197
- GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD CELLS N65-36114
- HUMAN BEHAVIOR**
- SA PERSONALITY
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM A65-35474
- THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION OF TIME-VARYING HUMAN OPERATORS ENGAGED IN TRACKING TASK A65-35475
- HUMAN OPERATOR ROLE IN PERFORMING INFORMATION PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR CONSOLE MEMORY A65-35478
- BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION A65-80397
- MULTIPLE-CHOICE DECISION BEHAVIOR INFLUENCED BY TWO DIFFERENT PAYOFF FUNCTIONS A65-80514
- BASES FOR PREFERENCES AMONG THREE-OUTCOME BETS A65-80792
- HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSE TO SONIC BOOM A65-81062
- PROPOSED FRAMEWORK FOR ANALYSIS OF STRESS IN HUMANS A65-81207
- EXPECTED VALUE AND RESPONSE UNCERTAINTY IN MULTIPLE CHOICE DECISION BEHAVIOR A65-81984
- HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING BOEING HIGH ALTITUDE CHAMBER AS TEST BED NASA-CR-134 N65-12076
- INTERACTION OF VERBAL SIGNAL WITH DIRECT SIGNAL ANALYZED FOR SIMPLE AND COMPLICATED REACTIONS AND RELATED TO REACTION TIME IN HUMAN BEHAVIOR JPRS-27879 N65-12770
- HUMAN BEHAVIOR IN SPACE VEHICLE JPRS-27880 N65-12875
- EFFECT OF LIMITED MOBILITY ON BODY DURING SPACE FLIGHT - MOTOR BEHAVIOR, MENTAL STATE, PHYSICAL FUNCTIONS, AND WEIGHTLESSNESS N65-13663
- PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS, AVIATION, AND ASTRONAUTICS N65-13746
- EFFECTS OF GROUP, ENVIRONMENT, AND WEATHER VARIABLES ON HUMAN BEHAVIOR AD-607810 N65-14420
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR

BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION
AM-64-2 N65-16161

NATURAL AND SOCIAL ASPECTS IN HUMAN PSYCHOLOGY
FTD-TT-64-65/1 N65-16287

MODIFIABILITY OF DECISIONS MADE IN CHANGING
ENVIRONMENTS - HUMAN BEHAVIOR
ESD-TR-64-657 N65-17007

DIMENSIONAL DESCRIPTIONS OF PHYSICAL AND SOCIAL
STIMULUS VARIABLES INFLUENCING BEHAVIOR
VARIANCE - PSYCHOLOGY
AD-602369 N65-21854

HUMAN VISUAL PERCEPTION AND VISUAL BEHAVIOR
RESPONSES TO STIMULI
AD-455490 N65-21897

NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY,
PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL
CLINICAL AND BEHAVIORAL PATTERNS
NASA-CR-62354 N65-22165

CONFERENCE ON PREDECISIONAL PROCESSES IN DECISION
MAKING - ASSESSMENT OF PRESENT DECISION THEORY
ADEQUACY IN DEALING WITH HUMAN DECISION MAKING
BEHAVIOR
AMRL-TDR-64-77 N65-22475

HUMAN BEHAVIOR STUDY ON SOCIAL STRUCTURE CHANGE IN
SMALL ISOLATED GROUPS
REPT.-64-24 N65-22949

FIELD BEHAVIOR AND PRE-EXPEDITION PERSONALITY
ASSESSMENT RESULTS, CRITERION VARIABLES, AND
ASSESSMENT CORRELATES OF 1963 AMERICAN MOUNT
EVEREST EXPEDITION
TR-1 N65-25905

INFLUENCE OF EXPERIENCE AND INPUT INFORMATION
FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN
SIMULATED THREAT-DIAGNOSIS SYSTEM
AMRL-TR-65-25 N65-27188

REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER
VARIOUS PHYSIOLOGICAL CONDITIONS
N65-29032

HUMAN RESTRAINT SYSTEMS DEVELOPMENT FOR
ACCELERATION RESEARCH
NASA-TM-X-54780 N65-29431

OBSERVATION AND CATEGORIZING AND RATING OF COPING
DEVICES FOR USE IN AIRCREW SELECTION
AD-617745 N65-30098

INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS
AMRL-TR-65-18 N65-30156

STRESS AND OVERLOAD EFFECTS ON GROUP DECISION
MAKING AND COMMUNICATION PATTERNS - PARTICIPANT
FUNCTIONING AS SELF-ORGANIZING SYSTEM
QTSR-1 N65-30512

ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES
IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY
AD-616622 N65-30631

HUMAN BLACK BOX - DATA OBTAINED WITH EXTERNAL
EXCITATION AND FROM HUMAN AS SOURCE, AND
NATURAL BEHAVIOR IN ENGINEERING TERMS
N65-31241

REWARD MOTIVATION IN HUMAN BEHAVIOR -
PSYCHOLOGICAL TESTING
TR-1 N65-31969

INVESTIGATION OF PRESENCE OR ABSENCE OF VISION
DURING INVOLUNTARY SACCADIC EYE MOVEMENTS
UNDER CONDITIONS OF NORMAL STEADY FIXATION
AD-617409 N65-33012

RELATIONSHIP BETWEEN PERCEPTION ORIENTATION
AND COMPENSATORY TASK PERFORMANCE
RM-200J N65-36206

HUMAN BODY
SA ANATOMY
SA LIMB
SA SHOULDER

BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT
A65-10544

ORIENTATION MECHANISMS IN HUMAN BODY COVERING
EYE, NECK, VESTIBULAR APPARATUS, VISCERAL
PROPRIOCEPTORS, GRAVITY PRESSURE AND LOCAL
RECEPTORS
A65-11398

COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY
TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL
CHANGES
A65-14574

REGULATION AND CONTROL IN BIOLOGICAL SYSTEMS
MODELING BODY BY DYNAMIC NETWORKS
A65-15863

HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF
COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT
EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT
ENVIRONMENT
A65-24076

PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF
HUMAN BODY LOCATED IN FRONT SECTION OF
HYPOTHALAMUS
A65-25075

MATHEMATICAL MODEL OF HUMAN BODY PREDICTING ITS
INERTIAL PROPERTIES IN ANY FIXED BODY POSITION,
INCLUDING LOCATION OF MASS CENTER
AIAA PAPER 65-498 A65-30202

WATER IMMERSION EFFECT ON HUMAN BODY IN
WEIGHTLESSNESS SIMULATION, NOTING THORACIC
PRESSURE GRADIENT
A65-30349

EXERCISE EFFECTS ON CORONARY AND PULMONARY
CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY
SINUS CATHETERIZATION
A65-31346

MICROVIBRATION OF HUMAN BODY EXPLAINED BY
RESONANCE THEORY
A65-80200

MICROVIBRATION OF HUMAN BODY
A65-80201

PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY.
I. EVALUATION IN LYING AND SITTING POSITIONS USING
BED OF SPRINGS AND NAILS
A65-81310

BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW
FREQUENCY VIBRATIONS
A65-81364

GRAVITY EFFECT ON MAN - HISTORICAL REVIEW
A65-81588

BODILY ACTIVITY AND PERCEPTUAL ACTIVITY
A65-81652

EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641

ALTERATIONS IN RED BLOOD CORPUSCLES FROM CHRONIC
ACTION ON HUMAN ORGANISM OF SMALL DOSES OF
IONIZING RADIATION
FTD-TT-63-784/1 N65-10982

REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT
JPRS-27591 N65-10989

EFFECT OF PROLONGED EXPOSURE TO CONDITIONS OF
ARTIFICIAL ATMOSPHERE ON HUMAN BODY
NASA-TT-F-276 N65-11045

PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422

SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61 N65-12131

- MATHEMATICAL MODEL FOR PREDICTING INERTIAL PROPERTIES OF HUMAN BODY
GA/PHYS/64-3 N65-12133
- RADIATION HAZARD TO MAN FROM IODINE 131
UR-653 N65-12340
- PROTECTION, SOURCES, AND DOSIMETRY OF RADIOACTIVE CONTAMINATION IN HUMAN BODY AND ENVIRONMENT
JPRS-27535 N65-12626
- RADIATION DOSAGE FOR HUMAN ORGANS AND TISSUES
N65-12628
- RADIOACTIVE CONTAMINATION IN STABLE ELEMENTS OF HUMAN BODY AND ENVIRONMENT
N65-12629
- ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NATURE OF STANDING IN MAN
JPRS-27841 N65-12874
- SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY OF HUMANS AND ANIMALS
NASA-TT-F-228 N65-13626
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT CENTRAL NERVOUS SYSTEM IN VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-13627
- RESPIRATORY CHANGES IN SICK AND HEALTHY HUMANS UNDER CONDITIONS OF HYPOXIA
N65-13628
- VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC ACTIVITY DUE TO HYPOXIA
N65-13629
- PHYSIOLOGICAL TELEMETRY ON MANNED SPACE FLIGHTS
N65-13630
- EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN
N65-13648
- EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- FUNCTIONAL CHANGES IN MAN DURING PROLONGED ISOLATION
N65-13667
- EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR PROLONGED PERIODS
N65-13681
- PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS OF LIMITED MOTOR ACTIVITY
N65-13693
- SENSORY DEPRIVATIONS IN HUMAN BEINGS EXPOSED TO WEIGHTLESSNESS
N65-13700
- DEGREE OF PRESSURE EXERTED BY THERMOREGULATORY MECHANISMS OF BODY IN ORDER TO FORESTALL SERIOUS DISORDERS CAUSED BY OVERHEATING OR SUPERCOOLING
N65-13721
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION
N65-13737
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN ATMOSPHERE
N65-14454
- NEURODYNAMICS OF HUMAN AUDITORY SYSTEM
JPRS-28308 N65-14748
- AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES USING SPACE-TYPE DIETS
AMRL-TR-64-107 N65-14829
- STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY - BIOPHYSICS AND NUCLEAR MEDICINE
UCLA-12-538 N65-14988
- PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN SKIN AND ITS INFLUENCE ON VITAL PROCESSES
N65-15173
- EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION OF ORGANISM
N65-15679
- INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- RADIATION EFFECTS IN MAN AND ANIMAL ORGANISM
HW-83613 N65-15860
- VIBRATION EFFECTS ON HUMANS AND ANIMALS, OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES, VIBRATION ABSORBERS FOR WORKER PROTECTION, AND FREON GAS TOXICOLOGY
JPRS-28721 N65-16207
- GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE FLIGHT
NASA-CR-56358 N65-16433
- EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE AND CELL DIVISION IN MAN AND ANIMAL
NASA-CR-52453 N65-16486
- THERMOREGULATORY PHYSIOLOGICAL DEFENSE MECHANISMS AND MOLECULAR ENERGY TRANSFORMATION OF HUMAN BODY
NASA-CR-52183 N65-16487
- BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615
- SAMPLING THEORY FOR HUMAN VISUAL SENSE
NASA-CR-60618 N65-16657
- PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/1&2 N65-17083
- GAS EXCHANGE THROUGH HUMAN SKIN AND ITS IMPORTANCE TO HUMAN BODY
JPRS-28923 N65-17303
- OXYGEN DEFICIENCY - HYPOXIA IN MAN AND ANIMALS
FTD-TT-64-878/1&2 N65-17751
- AGE AS FACTOR IN HUMAN ADAPTION TO HYPOXIA
N65-17758
- AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764
- EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION TO HYPOXIA IN AGING HUMANS
N65-17765
- ADULT HUMAN ADAPTATION TO HYPOXIA
N65-17775
- DECOMPENSATION AND COMPENSATION OF RESPIRATORY SYSTEM IN HUMAN HYPOXIA
N65-17780
- ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE COMPENSATION FOR HYPOXIA IN MAN
N65-17781
- REGIONAL OXYGEN DEFICIENCY IN HUMANS WITH HYPOXIA
N65-17784
- OXYGEN DEFICIENCY OCCURRING IN HUMANS SUFFERING CARDIAC VALVE DISEASE - MITRAL DISEASE
N65-17797
- OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY STAGES OF HYPERTENSION IN HUMANS
N65-17798
- IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION, AND VIBRATION
N65-17809
- VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN HIGH ALTITUDE ENVIRONMENT
N65-17826
- PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM IN HEALTHY MALE HUMANS
N65-18377
- HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED SPACE FLIGHTS
N65-18581

SUBJECT INDEX

HUMAN CENTRIFUGE

- HUMAN INTESTINAL FLORA - MICROORGANISMS
N65-18586
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION
N65-18595
- NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT
N65-18601
- EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS
SYSTEMS
N65-18886
- TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE
HEATING AND COOLING
AMRL-TR-64-131
N65-19154
- DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH
HUMAN SKIN SURFACE
JPRS-29142
N65-19326
- RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282
N65-19472
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON
ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR
REACTION TO CORIOLIS ACCELERATION, AND EFFECT
OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156
N65-19645
- EFFECT OF INDUSTRIAL NOISES ON HUMAN ORGANISM, AND
SANITARY PROTECTION OF AIR
JPRS-29216
N65-19664
- TRANSFER FUNCTION THROUGH HUMAN SKIN
AD-611281
N65-20121
- BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
HUMAN SPLEEN
SGAE-BL-14
N65-20198
- PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT
ON HUMAN ORGANISMS
JPRS-29433
N65-20829
- ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
JPRS-29435
N65-20835
- GAMMA RAY SPECTROSCOPY OF MAN - LONG TERM EFFECTS
OF RADIUM DEPOSITION, MEASURING TECHNIQUES,
RADIUM DISTRIBUTION AND RETENTION, AND CESIUM
AND POTASSIUM ACCUMULATION
ANL-6839
N65-21241
- MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
INFANT RABBITS - HUMAN DISEASE
N65-22294
- PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION
FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN
MALE - MATHEMATICAL MODEL
RM-4347-PR
N65-23037
- HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN
SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED
SUITS
NASA-CR-216
N65-23171
- OXYGEN DELIVERY RATE OF HUMAN BLOOD
SAM-TR-64-89
N65-24592
- BIOLOGICAL STUDIES FOR SPACE SCIENCE - EXOBIOLGY,
ENVIRONMENTAL BIOLOGY, HUMAN PHYSICAL AND
PSYCHOLOGICAL FACTORS
N65-24915
- STABILITY OF TEMPERATURE REACTION AND CHANGES IN
OXIDATION PROCESSES DURING CHILLING IN HUMANS
ADAPTED AND NOT ADAPTED TO COLD
N65-24940
- INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS
THROUGH PHYSICAL TRAINING
N65-25602
- HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING
N65-25659
- RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE
N65-25667
- MUSCULAR ANATOMY AND STRENGTH COMPARED IN
CHIMPANZEE AND HUMAN
ARL-TR-65-4
N65-26129
- CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN
RECOGNITION - DIGITAL COMPUTER MODEL
GE/EE/64-22
N65-26347
- INSOLATION RESEARCH ON CONDITIONED REFLEX ACTIVITY
AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION
IN HUMAN BODY
JPRS-30527
N65-27425
- INSOLATION INFLUENCE ON RESPIRATION IN HUMAN BODY
N65-27427
- VARIATIONS IN STRENGTH OF MUSCLES DURING MOVEMENT
USING DYNAMOMETER MEASURING DEVICE
NASA-TT-F-9339
N65-27676
- MATHEMATICAL MODEL USED TO EXAMINE
PHYSICO-CHEMICAL HYPOTHESES THAT EXPLAIN WAYS
IN WHICH HUMAN BODY CONTROLS FLUID AND
ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR
N65-31199
- REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS
NASA-CR-64641
N65-33251
- CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23
N65-34134
- CURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE
NASA-TT-F-264
N65-34507
- COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282
N65-34517
- HUMAN CENTRIFUGE
SIMULATION OF ACCELERATION STRESS ENCOUNTERED IN
MANNED SPACECRAFT DURING LAUNCH, RECOVERY AND
ABORT MANEUVERS
A65-10723
- CORIOLIS EFFECT ON HUMAN SUBJECTS ACCELERATED IN
MODIFIED TOENNIES SEAT
A65-12884
- ARTICULATING CENTRIFUGE MODEL FOR GENERATING G-
TIME PROFILES WITH VARIABLE ONSET-DWELL-DECAY
RATES
ASME PAPER 64-WA/HUF-7
A65-13854
- OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO
SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING
COMBINED VARIATIONAL CALCULUS AND PHASE PLANE
ANALYSIS
A65-14963
- TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN
SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING
SOLID STATE AMPLIFIERS
A65-24200
- AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS
WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND
RECTILINEAR MOTIONS
A65-25648
- VISUAL AND MOTION SIMULATION TECHNIQUES APPLIED IN
SPACE FLIGHT RESEARCH
A65-29092
- PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF
OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS
OF LABORATORY /CENTRIFUGE/ TESTS
A65-34947
- BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- PROBLEMS IN DATA TRANSMISSION BY TELEMETRY OF
BIOLOGICAL INFORMATION COLLECTED IN EXPERIMENTS
WITH 50-FT. HUMAN CENTRIFUGE
A65-81356
- APPARATUS FOR COLLECTING BLOOD SAMPLES FROM
SUBJECTS DURING CENTRIFUGAL ACCELERATION
A65-81443

- EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND SUBGRAVITY STATES
NASA-CR-51786 N65-16431
- BIOENGINEERING - SPACECRAFT ACCELERATION SIMULATION BY HUMAN CENTRIFUGE N65-16603
- PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN CENTRIFUGE
JPRS-30817 N65-26960
- EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800 N65-28539
- HUMAN ENGINEERING
SA ANTHROPOMETRY
SA CYBERNETICS
SA MAN-MACHINE SYSTEM
- CREW WORK STATION SIMULATORS DESIGN AND EVALUATION
A65-10700
- LIFE SUPPORT SYSTEM RESEARCH FOR PHYSIOLOGICAL STRESSES ENCOUNTERED BY NAVY AND MARINE PERSONNEL
A65-11787
- LIGHT ATTACK AND FIGHTER BOMBER PILOTS PROBLEMS CONCERNING PILOT COMFORT, EFFICIENCY AND SURVIVAL, FLIGHT SAFETY AND COMBAT EFFECTIVENESS
A65-14226
- TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING APPLIED TO CURRENT COMMERCIAL TRANSPORTS, DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND HANDLING QUALITIES
A65-14227
- DYNA SOAR AND SIMILAR PROGRAMS LIFE SCIENCE REQUIREMENTS, DISCUSSING X-20 COCKPIT DESIGN, PILOT PRESSURE SUITS, MEDICAL MONITORING, PILOT SELECTION AND EVALUATION
A65-14228
- AEROSPACE MEDICAL AND BIOENGINEERING CONSIDERATIONS IN M-2 LIFTING BODY RESEARCH VEHICLE, DISCUSSING PROTECTIVE EQUIPMENT, ESCAPE AND MEDICAL MONITORING SYSTEMS
A65-14229
- MANNED ORBITAL AND LUNAR BASE HABITABILITY REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION, HYGIENE, GRAVITATION AND WORK-REST CYCLE
A65-23642
- CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM DISCOMFORT TO PILOT DURING ACCELERATION, VIBRATION AND/OR SHOCK
A65-30013
- CONTROL/DISPLAY ASSOCIATION STEREOTYPE DETERMINATION WHEN CONTROLS AND DISPLAYS ARE ARRANGED ON TWO-DIMENSIONAL SURFACE
A65-31103
- HUMAN TRACKING ABILITY FOR RECTANGULAR WAVES ON DISPLAY USING HAND OR FOOT
A65-31344
- UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION SYSTEMS
SAE PAPER 650811 A65-34697
- CHARACTERISTICS OF SWITCH ACTUATORS FOR COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE, NOTING RESPONSE TIME AND ERROR
A65-35473
- TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134
- EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT IN DYNA-SOAR PROGRAM
A65-80135
- AEROSPACE MEDICAL AND BIOENGINEERING CONSIDERATIONS IN M-2 LIFTING REENTRY VEHICLE RESEARCH AIRCRAFT OPERATIONS
A65-80136
- MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
- ENGINEERING PERSONNEL IN SPACECRAFT DESIGN
A65-80137
- HUMAN ENGINEERING AND AEROSPACE MEDICINE AS RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT, ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION AND EVALUATION TECHNIQUES
A65-80138
- SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY OF INVOLUNTARY MOVEMENTS
A65-80173
- VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT BACKREST INCLINATIONS
A65-80174
- CHECK-READING ACCURACY AS FUNCTION OF POINTER ALIGNMENT, PATTERNING, AND VIEWING ANGLE
A65-80342
- CHECK-READING ACCURACY AND QUANTITATIVE INFORMATION COMBINED IN SPACE-SAVING DISPLAY
A65-80343
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME EXPERIMENTAL RESULTS
A65-80438
- LIFT REACTION TIME AND TOPOGRAPHIC COMPATIBILITY OF THE STIMULUS-RESPONSE FIELD
A65-80518
- EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE COMMUNICATION IN MANNED DEEP SPACE FLIGHT
A65-80528
- MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE STIMULUS PRESENTATIONS
A65-80563
- HUMAN FACTORS ENGINEERING
A65-81060
- MEDICAL PROBLEMS OF HUMAN ENGINEERING IN MANNED SPACE FLIGHT
A65-81103
- HUMAN ENGINEERING GUIDE FOR EQUIPMENT DESIGNERS
A65-81170
- CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES IN MULTIPLE TASK PERFORMANCE
A65-81563
- SYNCHRONIZATION ERROR IN BIMANUAL OPERATION OF CONTROLS
A65-81572
- HUMAN ENGINEERING RESEARCH OF PURSUIT AND COMPENSATORY TRACKING BEHAVIOR
A65-81760
- COMPARISON OF CONVENTIONAL AND DIGITAL TIME DISPLAYS
A65-82006
- ROLE OF ANTHROPOLOGIST IN HUMAN FACTOR ENGINEERING AS RELATED TO SPACE PROGRAM
A65-82007
- ANTHROPOLOGY AND MODERN TECHNOLOGY
A65-82011
- INTERMITTENT ILLUMINATION EFFECTS ON PERCEPTUAL MOTOR PERFORMANCE
A65-82292
- TRANSFER OF TRAINING BETWEEN QUICKENED AND UNQUICKENED DISPLAYS.
A65-82329
- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES
A65-82368
- ANTHROPOMETRIC STUDIES - GRASPING-REACH CAPABILITY AS GUIDE TO EQUIPMENT DESIGN
AMRL-TDR-64-59 N65-11895
- HUMAN ENGINEERING - ANNOTATED BIBLIOGRAPHY
N65-13955
- HUMAN ENGINEERING IN DESIGN OF TEACHING MACHINES
ESD-TDR-64-454 N65-14525
- HUMAN SPEECH MODEL FOR FEEDBACK CONTROL SYSTEM
N65-16618
- HUMAN ENGINEERING FOR PROLONGED SPACE FLIGHTS
AD-608798 N65-16793

SUBJECT INDEX

HUMAN FACTOR

ANALYTIC APPROACH TO HUMAN ENGINEERING ANALYSIS
AND PREDICTION OF SYSTEM MAINTAINABILITY FOR
AIRCRAFT CONSTRUCTION
AMRL-TR-64-115 N65-17138

HUMAN ENGINEERING DESIGN CRITERIA - OPERATIONAL
ENVIRONMENT, SAFETY, CONTROL AND DISPLAY,
DECISION MAKING, ANTHROPOMETRY, CLOTHING, AND
MAINTAINABILITY
NASA-CR-60855 N65-17511

MISREGISTRATION IN COLOR ADDITIVE DISPLAYS - HUMAN
ENGINEERING
RADC-TDR-64-488 N65-17906

PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN
NASA-CR-172 N65-18500

COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
NASA-CR-174 N65-18501

VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502

BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN
ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2 N65-19004

HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL
THEORY TECHNIQUES - HUMAN ENGINEERING
NASA-CR-57292 N65-19689

HUMAN ENGINEERING IN INDUSTRY - ANNOTATED
BIBLIOGRAPHY N65-19805

MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN
IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE
ON MANNED SPACE FLIGHT TECHNOLOGY
NASA-CR-199 N65-21226

COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC
FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING -
PILOT FACTORS PROGRAM
REPT.-1-64 N65-21258

MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES
IN LIFE SCIENCES AND HUMAN ENGINEERING
AMRL-TR-65-3 N65-22477

HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723

HUMAN ENGINEERING IN SYSTEMS DESIGN
N65-23960

PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON
BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY
SUBJECT - HUMAN ENGINEERING
AMRL-TR-64-126 N65-24360

ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING
PSYCHOLOGY
NASA-TT-F-312 N65-24370

PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT
CONTROL PROBLEM N65-25051

HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING
AD-612726 N65-26118

MOBILE REMOTE HANDLING UNIT POSITIONED UNDER
AUGMENTED TELEVISION CONDITIONS - HUMAN
ENGINEERING FOR REMOTE HANDLING SYSTEMS
AMRL-TR-65-6 N65-27091

HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH
SPEED FLIGHT - PILOT TASK LOADING, FUNCTION
ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION
AD-460918 N65-27205

HUMAN ENGINEERING SUPPORT FOR PILOT FACTORS
PROGRAM - TECHNICAL DIRECTION, FURNISHING,
INSTALLATION, AND MAINTENANCE OF EQUIPMENT,

INSTRUMENT FLYING PROCEDURES, AND DATA ANALYSIS
AD-616765 N65-30630

HUMAN BLACK BOX - DATA OBTAINED WITH EXTERNAL
EXCITATION AND FROM HUMAN AS SOURCE, AND
NATURAL BEHAVIOR IN ENGINEERING TERMS N65-31241

DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518

BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL
ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION
AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343

ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND
ENGINEERING
NASA-CR-67336 N65-35409

HUMAN FACTOR

SPACE SYSTEM REQUIREMENTS IMPOSED BY LOSS OF
WORKER EFFICIENCY IN REDUCED TRACTION AND PRESSURE
SUITED ENVIRONMENTS
ASME PAPER 64-WA/HUF-2 A65-13422

SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED
PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL
SUBSYSTEM CONCEPT A65-18292

PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR
ORBITAL MAINTENANCE AND TASK PERFORMANCE IN
SIMULATED SPACE ENVIRONMENT A65-19842

DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION
OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147

MARSHALL SPACE FLIGHT CENTER PROGRAM TO UPGRADE
SPACE VEHICLE RELIABILITY BY MOTIVATING PERSONNEL
TO REDUCE MISTAKES AND MALFUNCTION OF EQUIPMENT
A65-31574

MINIMIZATION OF HUMAN ERRORS EFFECT ON SYSTEM
SAFETY BY TREATING MAN AS SUBSYSTEM WITHIN GIVEN
SYSTEM A65-31588

MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT
ACCIDENTS A65-36003

LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS
IN OPERATOR OUTPUT CHARACTERISTICS A65-80139

CHOICE REACTION TIME IN TASK INVOLVING DECISION ON
COMBINATION OF VISUAL INFORMATION FROM TWO
DIFFERENT SOURCES A65-80338

HUMAN FACTORS IN CAUSE-UNDETERMINED AIRCRAFT
ACCIDENTS AND MEASURES FOR IMPROVING FLIGHT SAFETY
A65-80726

INDIVIDUAL HUMAN PATTERNS OF REACTION TIME
RESPONSES A65-80862

PRINCIPLES FOR DEVELOPMENT OF NEW MEASURES OF
HUMAN CONTINUOUS PERFORMANCE A65-81003

HUMAN FACTORS ENGINEERING A65-81060

AIRCRAFT ACCIDENT EVALUATION OFFERS CHALLENGE TO
COMMUNITY PHYSICIAN A65-81298

CONSIDERATION FOR ENVIRONMENTAL RESEARCH IN HUMAN
FACTORS A65-81391

HUMAN FACTORS PROBLEMS OF CONCORD /SUPERSONIC,
HIGH-ALTITUDE TRANSPORT AIRCRAFT/
A65-82370

AIRCRAFT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94 N65-10648

HUMAN FACTOR ENGINEERING - BIBLIOGRAPHY
RH-3398-H N65-15537

QUANTITATIVE AND QUALITATIVE BIOASTRONAUTICAL

HUMAN FACTOR LABORATORY

SUBJECT INDEX

HUMAN FACTOR ANALYSIS NASA-SP-3006	N65-15594	PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN PATHOLOGY	N65-21202
BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND PLANT RESEARCH FOR SPACE EXPLORATION AD-450818	N65-16601	INFLUENCE OF IONIZING RADIATION ON ORIGIN AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY JPRS-30161	N65-24315
HUMAN FACTOR CRITERIA, ENVIRONMENTAL CONTROL, AND LIFE SUPPORT SYSTEM FOR LUNAR SHELTER NASA-CR-60909	N65-17603	DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS - HUMAN PATHOLOGY AND CLINICAL MEDICINE JPRS-30288	N65-24435
HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF PASSENGER AIRCRAFT DURING ACCIDENTS AM-65-7	N65-18409	ROLE OF GENETICS IN HUMAN PATHOLOGY - CLINICAL MEDICINE JPRS-30306	N65-24437
HUMAN FACTORS STUDY FOR DESIGN OF HANDHELD SEXTANT DRD-64-133	N65-18678	MECHANISM OF HUMAN ANTIBODY FORMATION BNL-912/T-374/	N65-33991
MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA AND OTHER POLAR REGIONS AAL-TDR-64-28	N65-19970	HUMAN PERFORMANCE SA ASTRONAUT PERFORMANCE SA OPERATOR PERFORMANCE	
SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS, SIMULATED SPACE FLIGHT, AND COMMUNICATIONS ATD-P-65-11	N65-20926	INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN REDUCED TRACTION ENVIRONMENT	A65-10535
CYBERNETICS OF HUMAN FACTORS IN SPACE SYSTEMS ENGINEERING NASA-TM-X-51735	N65-22190	HUMAN TRACKING PERFORMANCE IS LIMITED BY TOLERANCE FOR WHOLE BODY VIBRATION	A65-10537
HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF PERSONNEL BEHAVIOR UNDER FIELD WORKING CONDITIONS - CONTROL SURVEILLANCE SYSTEM IDO-17074	N65-25435	PERIPHERAL VISUAL ACUITY RELATION TO TIME REQUIRED TO LOCATE TARGET IN STATIC STRUCTURED DISPLAY	A65-10538
HUMAN FACTORS RELATED TO REMOTE HANDLING OF GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND EXTRAVEHICULAR SPACE OPERATIONS AMRL-TR-64-122	N65-27891	MULTIMAN TEAM PERFORMANCE FOR VISUAL MONITORING TASK	A65-10539
HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA	N65-28760	OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL SYSTEMS	A65-10542
SYSTEM FOR MANAGEMENT OF HUMAN FACTOR IN PHYSICS OF FAILURE	N65-30316	MONITORING TECHNIQUES FOR DETERMINING PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS ON HUMAN PERFORMANCE	A65-10694
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM NASA-CR-67080	N65-33972	COMPARISON OF LIMITS OF MAN AND AUTOMATIC SYSTEMS IN PERFORMING FUNCTIONS IN PHOTOGRAMMETRY	A65-12932
ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND ENGINEERING NASA-CR-67336	N65-35409	FEASIBILITY OF WEARABLE EXOSKELETAL STRUCTURE FOR STUDYING MOTION AND PERFORMANCE OF WEARER AT WORK TASKS ASME PAPER 64-WA/HUF-3	A65-13421
MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN AUTOMATIC CHECKOUT OF SPACE VEHICLES NASA-CR-67371	N65-35577	HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF MECHANICS	A65-14224
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY, AND HUMAN FACTORS YIELDING PRACTICAL APPROACH FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM RTD-TDR-63-4092	N65-36724	TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON TEMPERATURE INCREASE, NOTING AROUSAL LEVEL	A65-16558
HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER OF HUMAN TO DETERMINE THRESHOLD VALUE FOR LIFE-SUPPORT NOISE IN MANNED SPACECRAFT NASA-TT-F-9596	N65-36755	OXYGEN CONSUMPTION DURING EXERCISE WITHOUT BODY LIFTING AGAINST GRAVITY, NOTING CORRELATION WITH BODY WEIGHT AND SURFACE AREA	A65-16562
HUMAN FACTOR LABORATORY HUMAN FACTOR LABORATORY EMPHASIZING TRANSFER OF TRAINING AND TACTICAL DECISION MAKING	A65-13527	EFFECTS OF INSTRUCTIONS ON WIRING TASK ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM CONTROL PANEL	A65-18289
HUMAN PATHOLOGY HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE NUCLEAR DETONATIONS	A65-14240	LIGHT FLASH PROPORTION DETERMINATION DETECTED BY SUBJECTS AS FUNCTION OF TWO FLASH GROUPINGS AND TWO LEVELS OF FLASH INTENSITY	A65-18293
ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA CELL GROWTH IN VITRO	A65-14607	FULL-SCALE WEARABLE NONPOWERED EXOSKELETAL STRUCTURE /MAN AMPLIFIER/ FABRICATION AND TESTING TO DETERMINE EFFECT ON WORK TASK PERFORMANCE	A65-19149
MANS ADAPTATION TO WEIGHTLESSNESS, NOTING ASTRONAUT VULNERABILITY AND REQUIREMENT OF MEDICAL CARE IN SPACE	A65-35107	OBSERVER JUDGMENT OF HOMOGENEOUS WHITE FORMS, SLANT AND SHAPE UNDER REDUCED MONOCULAR VIEWING AND AT VARIOUS DEGREES GEOMETRIC SLANT	A65-22466
ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION ABSORPTION ON ANIMALS, FLIGHT MEDICINE,		MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED SUBJECTS WHILE LUNGING, EGRESSING AND LANDING DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS	A65-24072
		HUMAN BODY EXTREMITY CUFF-TOURNIQUET EFFECTS ON	

SUBJECT INDEX

HUMAN PERFORMANCE

TILT TABLE TOLERANCE TAKEN AFTER 6 HOURS OF WATER IMMERSION A65-24078

WATER IMMERSION EXPERIMENT WITH MALES CHECKING CARDIOVASCULAR DECONDITIONING, PLASMA VOLUME, HEMOGLOBIN, OSMOLARITY, FLUID INTAKE, BODY WEIGHT, ETC A65-24079

HUMAN INFORMATION PROCESSING CONCEPTS EXAMINING READ-IN, STORAGE, DECISION MAKING AND READ-OUT SUBSYSTEMS A65-25180

MATHEMATICAL DESCRIPTION OF INPUT-OUTPUT BEHAVIOR OF HUMAN OPERATOR ACTING AS ELEMENT IN CLOSED LOOP CONTROL SYSTEM A65-25202

HORSEPOWER OUTPUT OF HUMAN BEINGS AS FUNCTION OF HEARTBEATS IN MECHANICAL CRANKING A65-25245

HUMAN FUNCTION IN COMPLEX FLIGHT CONTROL SYSTEMS A65-28291

ORIENTATION AND ROTATION OF HUMAN BODY UNDER WEIGHTLESS CONDITIONS IN FREE SPACE A65-29680

TRACTIONLESS EXPERIMENTAL METHOD PROVIDING WEIGHTLESSNESS SIMULATION ALTHOUGH LIMITED TO ROTATION ABOUT SINGLE AXIS A65-30014

VIGILANCE FOR AUDITORY INTENSITY CHANGES AS FUNCTION OF PRELIMINARY FEEDBACK AND CONFIDENCE LEVEL A65-30099

RESPONSE STRENGTH AND DURATION OF SUBMAXIMAL HOLDING ENDURANCE FOR MEASUREMENTS AT 20 BODY POSITIONS A65-30102

SHIP-BASED RADAR AND ASPECTS OF HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS RELATING TO RADAR CONSTRUCTION AND PERFORMANCE A65-30136

HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP ENVIRONMENT FOR INFORMATION PROCESSING A65-31239

HUMAN LOCOMOTION IN SIMULATED LUNAR GRAVITY AND SURFACE A65-32792

EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON IMPROVING RAPIDITY AND REGULARITY OF MOTOR RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN AVIATION PERSONNEL A65-32793

HUMAN EYE PHYSIOLOGY WITH RESPECT TO SENSITIVITY AND PERCEPTION FOR ASTRONOMICAL OBSERVATION A65-32922

MULTIPLICATIVE PROBABILITY MODEL DEVELOPMENT FOR PREDICTING HUMAN RELIABILITY IN MAN-MACHINE SYSTEM, USING PROBABILITY TREE A65-34677

IDENTIFICATION AND ELIMINATION OF SOURCES OF HUMAN-INDUCED EQUIPMENT FAILURES IN COMPLEX SYSTEMS, CONSIDERING PROBABILITY OF ERROR A65-34678

FIELD MEASUREMENT OF HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS, NOTING LIMITATION UPON EVALUATOR A65-34679

INDIVIDUAL AND SITUATIONAL VARIABLES AFFECTING HUMAN PERFORMANCE A65-34680

HUMAN PERFORMANCE EVALUATION IN CURRENT BALLISTIC MISSILE TEST PROGRAM, NOTING MINUTEMAN PROGRAM A65-34681

METHODOLOGICAL AND PSYCHOLOGICAL PROBLEMS IN MEASURING HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS A65-34682

MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE VEHICLES COVERING GENERAL CONTROL PATTERNS AND CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND LIMITS A65-34986

HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY, WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL PROBLEMS, ETC A65-35148

BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND MACHINES A65-35479

VISUAL DISTANCE ESTIMATION IN SPACE USING ANGULAR SUBTENSE, ILLUMINANCE AND LUMINANCE OF CELESTIAL AND ORBITAL BODIES A65-35481

VIGILANCE DEFINED AS PROBABILITY OF DETECTING SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN MANNED SPACEFLIGHT A65-35484

MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN RELATED TO TIME AND DOSAGE A65-80001

CIRCADIAN RHYTHMS DURING AND AFTER THREE MONTHS IN SOLITUDE UNDERGROUND A65-80190

EVALUATION AND PREDICTION OF PHYSICAL FITNESS IN MEN OF DIFFERENT AGES USING MODIFIED APPARATUS OF HARVARD STEP TEST A65-80209

PHYSICAL WORK PERFORMANCE AS AFFECTED BY ENVIRONMENTAL CONDITIONS A65-80321

TASK COMPLEXITY AND PRACTICE - EFFECTS ON PERFORMANCE AFTER LOSS OF SLEEP A65-80341

DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE AND CHLORAL HYDRATE WITH YOUNG ADULT MALE A65-80448

SINGLE CHANNEL HYPOTHESIS A65-80850

SKILLS INVOLVED IN READING METERS DURING SUPERVISION OF AUTOMATIC ASSEMBLY SYSTEMS A65-80886

COMPARISON OF ERROR IN FIVE SORTING PROCEDURES FOR ORDINAL RANKING A65-81447

HUMAN PERFORMANCE IN INDUSTRY A65-81487

INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING UPON TRANSFER FUNCTION AMRL-TDR-64-81 N65-10269

HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI SPACECRAFT DURING TERMINATION OF RENDEZVOUS MISSION LMSC-6-62-64-13 N65-11016

RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND ADRENALINE AND NORADRENALINE CONCENTRATION IN HUMAN PLASMA DURING VIGILANCE TASK TR-750-5 N65-11250

SURVEY ON HUMAN VISUAL CAPABILITIES IN SPACE FLIGHT AD-606802 N65-11484

REACTION OF HUMAN PERFORMANCE TO COMPLEX ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT CABIN NASA-TT-F-273 N65-11874

EMERGING ROLE OF ENGINEERING PSYCHOLOGY IN SYSTEMS PLANNING AND DEVELOPMENT - HUMAN PERFORMANCE AMRL-TR-64-88 N65-12996

HUMAN PERFORMANCE WHILE EXERCISING IN ARTIFICIAL ATMOSPHERE UNDER PRESSURE EQUIVALENT TO 200 FEET OF SEA WATER REPT.-419 N65-13111

FACTORS INFLUENCING JUDGMENT OF HUMAN PERFORMANCE - PSYCHOLOGY TR-4 N65-13512

EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION AND BREATHING OXYGEN AT EXCESS PRESSURE N65-13638

- AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT N65-13643
- PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI N65-13645
- QUALITATIVE EVALUATION OF FLIGHT FATIGUE N65-13672
- PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT FLYING N65-13673
- HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW PRESSURE CHAMBER N65-13687
- IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED BY HUMAN OPERATOR N65-13749
- VIBRATION EFFECT ON HUMAN PERFORMANCE AMRL-TR-64-83 N65-13996
- SPEED AND ACCURACY OF TARGET RECOGNITION BY NAVIGATORS USING SIDE-LOOKING RADAR DURING AERIAL RECONNAISSANCE AMRL-TR-64-101 N65-14001
- EFFECTS OF REPEATED CONFINEMENT ON PERFORMANCE OF MEN IN TEMPERATE ENVIRONMENT TM-11-64 N65-14407
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE N65-14456
- INDIVIDUAL DIFFERENCES IN ACROBATIC ACTIVITY - CONSIDERATIONS IN TEACHING AND TRAINING EXERCISES JPRS-28276 N65-14710
- PERFORMANCE EVALUATION IN SIMULATOR TRAINING ENVIRONMENT NAVTRADEVCE-1449-1 N65-14797
- PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON HUMANS WORKING IN ROTATING ENVIRONMENTS R-63 N65-15039
- LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS NASA-CR-60273 N65-15187
- HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR SPACE OPERATIONS N65-16613
- OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME OF HUMAN PERFORMANCE NASA-CR-170 N65-17326
- HUMAN LOCOMOTION UNDER CONDITIONS OF WEIGHTLESSNESS N65-18378
- VIBRATIONAL TESTING OF HUMANS FOR WHOLE BODY VIBRATION EFFECT ON VISUAL-MOTOR PERFORMANCE D3-3512-5 N65-18852
- VIBRATION TESTING OF HUMANS FOR WHOLE BODY VERTICAL VIBRATION EFFECT ON TRACKING PERFORMANCE D3-3512-6 N65-18853
- UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING, SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL REPT.-64-30 N65-18929
- TRAINING FOR CROSS-CULTURAL CONTACT AND DEVELOPMENT OF INTERACTION SKILLS AMRL-TR-64-109 N65-19017
- TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL DELAY AND LEARNING - HUMAN PERFORMANCE AMRL-TR-64-104 N65-19149
- BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM - HUMAN PERFORMANCE AMRL-TR-64-108 N65-19150
- DEVICE FOR SIMULTANEOUS RECORDING OF HUMAN MOTOR AND SPEECH RESPONSE PARAMETERS JPRS-29057 N65-19401
- BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE PREDICTION AT LARGE ANTARCTIC STATION REPT.-64-22 N65-19567
- GOAL DIFFICULTY EFFECT ON LEVEL OF HUMAN PERFORMANCE ONR-RM-135 N65-19626
- SAMPLED DATA PURSUIT HAND TRACKING MODEL FOR HUMAN OPERATOR NASA-CR-57221 N65-19749
- PHYSIOLOGICAL MECHANICAL EFFECT OF ACCELERATIONS ON HUMANS WORKING IN ROTATING ENVIRONMENT R-63 N65-20565
- EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY RH-3398-J N65-20726
- PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED AND MANEUVERING ACCELERATION STRESS ON PILOT PERFORMANCE IN LOW LEVEL MISSION NASA-TM-X-51748 N65-21756
- HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF ORBITING SPACE STATIONS IN EXTRATERRESTRIAL ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION AMRL-TR-64-98 N65-23082
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE - AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL, CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS, AND BEHAVIORAL ORGANIZATION NASA-CR-219 N65-23813
- BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND ELECTROMYOGRAM CONTROL STUDIES REPT.-65-14 N65-24004
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS, SPEECH FORMING MECHANISM, PERCEPTION, AND ARTICULATION FOR HUMAN COMMUNICATION WITH ELECTRONIC COMPUTERS JPRS-30543 N65-25514
- CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE, WARNING LIGHT MONITORING, AND PROBABILITY MONITORING TASKS AS FUNCTION OF WORKLOAD AMRL-TR-65-22 N65-27092
- HUMAN RELIABILITY IN SPACECRAFT CONTROL NASA-TT-F-9428 N65-27714
- BIOPHYSICS STUDY INCLUDING EYE TRACKING SYSTEM AND STIMULATED EYE MOVEMENT JPRS-30575 N65-28094
- INFORMATION ON TYPES OF EYE MOVEMENT IN EYE TRACKING SYSTEM STUDY N65-28096
- EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE OF HUMANS N65-28297
- ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED PERFORMANCE NASA-CR-63837 N65-28853
- PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL DEVICE JPRS-31374 N65-29832
- MAN-MACHINE PERFORMANCE MEASUREMENTS NASA-CR-64106 N65-30469
- HUMAN PERFORMANCE IN SIMULATED SPACE FLIGHT ENVIRONMENT NASA-TT-F-355 N65-30730
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT - LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN

SUBJECT INDEX

HUMAN REACTION

PERFORMANCE LMSC-6-62-64-19	N65-31557	PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS N65-13641
HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED WEIGHTLESSNESS JPRS-31665	N65-31715	EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN BEINGS AND ANIMALS N65-13684
MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE CONTROL NASA-CR-64545	N65-32033	HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS N65-13685
MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL STRESS ON HUMAN PERFORMANCE AMRL-TR-65-39	N65-32928	TIME FACTOR IN RETAINING CONSCIOUSNESS DURING RAPID EMERGENCY DESCENT TO LOWER ALTITUDE N65-13689
HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN N65-33630		DIAGNOSIS OF CHANGES IN ELECTROENCEPHALOGRAPH TO ESTABLISH HUMAN RESISTANCE TO ACUTE HYPOXIA FOR LONG PERIOD OF TIME N65-13731
UPPER EXTREMITY PROSTHETICS - SENSORY MOTOR CONTROL - PERFORMANCE ABILITY OF HUMAN OPERATORS OF TRACKING SYSTEMS - MYOELECTRIC CONTROL SYSTEMS REPT.-65-31	N65-34133	MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION TO RANDOM VIBRATION AMRL-TR-64-91 N65-13999
HUMAN VISION AND DEPTH PERCEPTION AGAINST SIMULATED SPACE BACKGROUND NASA-TN-D-2845	N65-34500	SUBJECTIVE REACTION OF HUMAN MALES TO VIBRATION 03-6474 N65-14350
PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS PREDICTOR OF SUCCESS IN FLIGHT TRAINING AD-619302	N65-35199	EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN PHYSIOLOGICAL ADAPTION NAEC-ACEL-498 N65-14457
COMPARATIVE EFFECTS OF PROLONGED ROTATION AT 10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS NASA-CR-67122	N65-36440	HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED SENSORY STIMULATION JPRS-28929 N65-17304
HUMAN REACTION EVOKED RESPONSES IN RELATION TO OCULOMOTOR REACTION TIMES AND VISUAL PERCEPTION IN MAN A65-16466		SUBJECTIVE REACTIONS TO SONIC BOOMS AND HUMAN ADAPTATION OR REACTION NASA-CR-187 N65-17877
HUMAN EFFICIENCIES COMPARISON IN USE OF VERBAL AND MOTOR REACTIONS TO VARIOUS CODED SIGNALS A65-18333		DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS - CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET SLED AND EFFECT OF VARIOUS DECELERATION FACTORS ON HUMAN RESTRAINED BY STRAPS AD-609412 N65-19676
HUMAN REACTIONS TO SONIC BOOM, EXAMINING PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS AND PROPERTY DAMAGE A65-24071		ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP - EFFECT ON MOTION AND POSITION, AND SAFETY PROBLEMS OF HIGH G FORCE N65-19678
AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND RECTILINEAR MOTIONS A65-25648		WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY JPRS-29743 N65-21711
EFFECT OF ISOLATION FROM EXTERNAL TIME CUES ON HUMAN CIRCADIAN RHYTHMS SUCH AS BODY TEMPERATURE, SLEEPING PERIOD, PASSAGE OF TIME ESTIMATION AND URINE EXCRETION A65-26527		PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT N65-22731
HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING HEART RATE A65-28377		ATTENTION THEORY AND PARAMETER MEASUREMENTS OF HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY INFLUENCE ON REACTION TIME NASA-CR-194 N65-23170
PSYCHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SENSORY DEPRIVATION, PARTICULARLY FOR SPACE TRAVEL A65-29100		HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS N65-24862
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF HIGH GRAVITY ON MAN A65-29102		WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING AUDITORY PERCEPTION IN HUMANS ARL-TR-65-5 N65-26237
EFFECTIVENESS OF MONOCHROMATIC RADIATIONS IN ENSURING LEVEL OF ACUTENESS OF DISCRIMINATION AND CONTRAST SENSITIVITY A65-30078		EVALUATION OF LIGHT STIMULATOR POSITION AND MOVEMENTS OF EYES USING HUMAN SUBJECTS N65-28095
HELICOPTER VIBRATION EFFECT ON PILOT ACCURACY IN POSITIONING TASK A65-32984		CYBERNETICS, ANIMAL BEHAVIOR, HUMAN THINKING, AND MACHINE DEVELOPMENT JPRS-31124 N65-28732
HUMAN REACTIONS IN PRESSURIZED CABIN IN SIMULATED SPACE ENVIRONMENT AND IN ARTIFICIAL ATMOSPHERE DURING PROLONGED SPACE FLIGHT JPRS-27286 N65-10035		MUTUALLY INHIBITORY TRANSIENT RETINAL REACTIONS - PHYSIOLOGY N65-29348
HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL ACCELERATION N65-13639		EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE OF BLOOD IN NORMAL PERSONS NASA-TT-F-9439 N65-29726
DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING		FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT NOISE - MASKING OF SPEECH AND VARIABILITY OF SUBJECTIVE JUDGMENTS FAA-ADS-42 N65-33435

- RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-64935 N65-33855
- HUMAN TOLERANCE**
- BIOINSTRUMENTATION AND MONITORING SYSTEM FOR ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL STRESS A65-10697
- ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE LANDING IMPACT A65-10732
- PHYSIOLOGICAL RESPONSES OF MAN TO SPACE ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO SUPPORT LIFE A65-12543
- HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY POSITIONS AND CONFIGURATIONS A65-14223
- FOUR WEEKS BED REST EFFECT ON CIRCULATORY FUNCTIONS IN MAN A65-14236
- HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT TO SPACE FLIGHT A65-14808
- HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-15537
- PROLONGED BED REST EFFECT ON TOLERANCE OF TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART BEATS AND VISION A65-16555
- HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-17996
- NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL STRESS A65-19846
- BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT A65-21025
- EFFECT OF FATIGUE ON AIR TRAFFIC CONTROLLERS A65-23930
- HUMAN TOLERANCE TO PHYSIOLOGICAL EFFECTS OF HEAD MOTIONS IN ROTATING ENVIRONMENT A65-24447
- HUMAN SUBJECTIVE REACTION TO WHOLE BODY VIBRATION A65-25991
- INCREASED STIMULATION LIMITATIONS IN SENSORY IMPOVERISHED ENVIRONMENT, DISCUSSING OPTIMUM LEVEL OF AROUSAL FOR WORKING EFFICIENCY A65-26728
- PHYSICAL, PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIAL HABITABILITY PROBLEMS OF PROLONGED SPACE MISSIONS A65-26740
- INTERRELATIONS BETWEEN PHYSIOLOGICAL, BEHAVIORAL AND SUBJECTIVE REACTIONS TO STRESS A65-26743
- WATER VAPOR CONTENT FOR HUMAN COMFORT AND THERMAL BALANCE IN SEALED CABINS AND PRESSURE SUITS A65-28379
- HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE, PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND PERFORMANCE A65-29990
- CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH, PREDICTING EFFECTS ON MAN FROM VARIOUS TYPES OF SIMULATION A65-30059
- EFFECTIVE RESIDUAL DOSE CONCEPT OF LETHAL RADIATION TO HUMAN AND SPACE RADIATION SHIELDING AIAA PAPER 65-497 A65-30195
- PSYCHOLOGY OF MOON FLIGHT - HUMAN TOLERANCE TO SPA FLIGHT STRESS AND LIFE SUPPORT SYSTEMS A65-81611
- LOW FREQUENCY AND INFRASONIC NOISE EFFECTS ON MAN A65-81946
- CHEMICAL PROPHYLAXIS EFFECTS ON RADIATION RESISTANCE AND TOLERANCE IN HUMAN AND ANIMALS JPRS-27227 N65-10039
- NOISE LEVEL EFFECTS ON HUMAN HEARING SENSITIVITY JPRS-27559 N65-11933
- HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING BOEING HIGH ALTITUDE CHAMBER AS TEST BED NASA-CR-134 N65-12076
- MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE FOR HUMAN TOLERANCE FTD-TT-64-70/162 N65-16798
- HEMODYNAMIC CHANGES IN HUMAN BLOOD DURING POLAR WINTER FTD-TT-64-285/1 N65-19194
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT NASA-CR-57477 N65-19871
- DYNAMIC MODEL TECHNIQUE FOR ANALYSIS OF HUMAN TOLERANCE TO ACCELERATION NASA-TN-D-2645 N65-19903
- AUTOSUGGESTION EXPERIMENTS, AND EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT JPRS-30083 N65-24736
- EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT N65-24737
- METHODS FOR RAPID AND ACCURATE DETERMINATION OF AIR POLLUTION AND BIOLOGICAL EFFECT ON MAN JPRS-30241 N65-24938
- CONTENT OF CHLOROBEZOL IN AIR AND BIOLOGICAL EFFECT OF SMALL CONCENTRATION ON MAN N65-24939
- RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS TO RADIATION ORNL-3820 N65-25582
- INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS THROUGH PHYSICAL TRAINING N65-25602
- HUMAN TOLERANCE TO PROLONGED ACCELERATION AMRL-TR-65-36 N65-27334
- SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION IN HUMANS SUBJECTED TO CONTINUOUS ROTATION NASA-CR-63865 N65-28872
- FREE FALLS SURVIVED BY HUMANS IMPACTING WATER ENVIRONMENTS UNDER HIGH VELOCITY N65-29760
- TOLERANCES OF HUMAN FACE TO CRASH IMPACT AM-65-20 N65-34678
- ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES NASA-TT-F-9594 N65-36753
- HUMAN WASTE**
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMSELECTIVE SILICONE RUBBER MEMBRANE A65-10696
- DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE CONCENTRATION OF FLATUS PRODUCED IN MAN A65-10744
- HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM A65-11401
- MATHEMATICAL SIMULATION OF CARBON DIOXIDE PARTIAL PRESSURES IN HUMAN LUNG, VENOUS BLOOD AND REBREATHING BAG A65-14157

- WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL CELLS DURING LONG TERM SPACE FLIGHT
A65-14380
- SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM FERMENTED EXCRETA
A65-14382
- HUMAN WASTE PRODUCTS WATER RECLAMATION SYSTEMS RENDERING SPACE CREW INDEPENDENT OF STORED WATER REQUIREMENTS
AICE PREPRINT 54A
A65-15397
- ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE AND FECES
A65-21695
- SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS
A65-22752
- ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM FOR CHLORELLA 71105
A65-22770
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT CHEMICALS SELECTION AND BACTERIA CONTROL IN PRODUCT
ASME PAPER 65-AV-24
A65-22959
- MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE WATER FROM URINE, WASH WATER AND HUMIDITY CONDENSATES BY ELECTRODIALYSIS
ASME PAPER 65-AV-16
A65-23224
- SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND REMOVAL OF HUMAN WASTES
A65-23920
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMESELECTIVE SILICONE RUBBER MEMBRANE
A65-33554
- BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION WATER RECOVERY UNIT
A65-34474
- CULTURES OF ANAEROBIC ORGANISMS OF HUMAN WASTE
NASA-CR-52232
N65-16432
- HUMAN FECAL BACTERIA ISOLATION AND METABOLIC STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
NASA-CR-62108
N65-21390
- PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006
N65-26318
- SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8
N65-33677
- HUMIDITY**
SA WATER VAPOR
- HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING HEART RATE
A65-28377
- HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID ENVIRONMENT
A65-80305
- TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN
A65-80676
- PHYSIOLOGICAL REGULATION IN MOIST HEAT BY YOUNG AMERICAN NEGRO AND WHITE MALES
A65-80690
- PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE
A65-81402
- CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY OF SEEDS AND IRRADIATION INTENSITY
N65-25614
- HYDRAULIC FLUID**
SA OIL
- IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES IN COMBUSTION-BOMB EXPERIMENTS
A65-34083
- HYDRAZINE**
SA DIMETHYL HYDRAZINE
SA METHYL HYDRAZINE
- ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE POISONED RABBITS
A65-80003
- HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE RESPIRATORY PATTERN OF VARIOUS METABOLIC SUBSTRATES IN RATS
A65-81131
- HEPATOTOXICITY OF RAT FROM HYDRAZINE AND 1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON TETRACHLORIDE
A65-81529
- USE OF PYRIDOXINE HYDROCHLORIDE IN ACUTE HYDRAZINE AND UNSYMMETRICAL DIMETHYL HYDRAZINE /AEROZINE-50/ INTOXICATION IN MAN
A65-81712
- RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE, METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE
A65-81733
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111
N65-19151
- EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN AMINES AND AMINO ACIDS
AMRL-TR-64-113
N65-24417
- IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND 1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND LIVER TISSUE ENZYME ACTIVITIES
AMRL-TR-65-19
N65-27575
- DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE IN BLOOD SERUM - TOXICOLOGY
AMRL-TDR-64-24
N65-31864
- HYDROCARBON**
SA CYCLIC HYDROCARBON
- HYDROCARBONS OF TERRESTRIAL SAMPLES AND ORGUEIL METEORITE ANALYZED, SHOWING THAT ALKANES ARE BEST INDICATORS OF FORMER LIFE ON EARTH
A65-30688
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- MICROBIAL OXIDATION OF HYDROCARBON GASES
AD-609207
N65-18279
- HYDROCARBON FUEL**
MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS
JPRS-31360
N65-29790
- HYDROCARBON POISONING**
SA BENZENE POISONING
- ABSORPTION OF CARBON TETRACHLORIDE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE, METHYL CHLORIDE, AND TRICHLOROETHANE THROUGH HUMAN SKIN ANALYZED BY INFRARED SPECTROSCOPY
A65-80219
- HYDROFLUORIC ACID**
TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING AND DRUGS
A65-81186
- HYDROGEN**
SA TRITIUM
- HYDROGEN GENERATION FROM SUGARS AND NATURAL PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL CELL
REPT.-10
N65-24964

HYDROGEN BOND

MELTING POINT CURVES FOR DETERMINING EFFECTS OF
IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS
IN DNA MACROMOLECULE N65-26379

HYDROGEN FLUORIDE

CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT
ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL
NERVOUS SYSTEM IN ALBINO RATS A65-82243

HYDROGEN ION

URINE EXCRETION IN ANIMALS - DEPENDENCE OF
DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE
CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION
IN DRINKING WATER
NASA-TT-F-9337 N65-23793

CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION
INTERACTION AND INDEPENDENT EFFECTS ON
BREATHING - RESPIRATION STIMULANTS IN ARTERIAL
BLOOD
SAM-TR-64-94 N65-26242

HYDROGEN SULFIDE

OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND
CARBON DIOXIDE A65-81205

OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND
CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND
PETROLEUM GAS WITH HYDROGEN SULFIDE
JPRS-30443 N65-25425

HYDROGENATION

SA DEHYDROGENATION

ASYMMETRIC HYDROGENATION OF CARBONYL COMPOUNDS
A65-80472

QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF
CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS
OF GROWTH A65-81194

HYDROGENOMONAS

CONTINUOUS CULTURE APPARATUS FOR BACTERIUM,
HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION
OF HYDROGEN PRODUCED BY ELECTROLYSIS OF
WATER IN CLOSED-CYCLE SPACE SYSTEM
A65-80099

HYDROLYSIS

SA EXTRACTION

HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS
USING HYDROGEN DIFFUSION CATHODE TO REMEDY
CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394

DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS
AND AMMONOLYSIS N65-23936

HYDROPHONE

HYDROPHONE RECORDING DATA FOR SOUND SIGNALS
EMITTED BY DOLPHINS FOR DETERMINING SONIC
PRESSURE AT POINT OF EMISSION AND AT POINT OF
RECEPTION
JPRS-30466 N65-25426

MARINE BIOLOGICAL SOUND PRESENT IN TAPE RECORDINGS
OBTAINED FROM SHALLOW AND DEEP HYDROPHONES
NEL-1290 N65-33374

HYDROPONICS

ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE
ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND
ALGAE SYSTEMS
P-3009 N65-16517

HYDROSTATIC PRESSURE

EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737

HYDROTHERMAL CRYSTAL GROWTH

RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTOBIOCHEMISTRY - ABIOTIC GENESIS
NASA-CR-63560 N65-27062

HYDROX FUEL CELL

WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL

CELLS DURING LONG TERM SPACE FLIGHT

A65-14380

HYGIENE

SA HEALTH
SA SANITATION

INDUSTRIAL HYGIENE SUPPORT IN MISSILE PROGRAM
THROUGH ELIMINATING HEALTH HAZARDS

A65-80620

FACTS ABOUT LEAD POISONING AND INDUSTRIAL HYGIENE
A65-81545

CARDIORESPIRATORY HYGIENE IN FLIGHT

A65-81820

OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS N65-10121

INDUSTRIAL SAFETY, HYGIENE, AND SANITATION STUDIES
JPRS-27200 N65-11459

BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733

HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING N65-13635

LABOR HYGIENE AND OCCUPATIONAL PATHOLOGY IN WORK
WITH ULTRAHIGH FREQUENCY ELECTROMAGNETIC
RADIATION N65-13729

SPACE FLIGHT PHYSIOLOGY, PSYCHOLOGY, AND
PERSONAL HYGIENE
JPRS-28183 N65-15171

PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN
SKIN AND ITS INFLUENCE ON VITAL PROCESSES
N65-15173

PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD
CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668

INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES
JPRS-28951 N65-18027

CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457

EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION,
RATE OF ION FORMATION, AND DISAPPEARANCE
CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION
OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066

TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE
AND SANITATION STUDIES, WATER PURIFICATION,
INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND
AIR SAMPLING
JPRS-30993 N65-28294

DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS,
SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS
N65-28298

HYPERCAPNIA

LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN
EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR
ACTIVITY A65-36398

HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED
POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX
IN RABBITS A65-80441

HYPERCAPNIC EFFECT ON HEART BLOOD SUPPLY UNDER
EXPERIMENTAL CONDITIONS IN DOGS
A65-80716

VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917

RESPIRATORY ARRHYTHMIA AND RESPIRATORY
ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND

- HYPOXIA IN DOGS A65-81277
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS AND MAN A65-81636
- VENTILATORY RESPONSE TO CARBON DIOXIDE DURING HYPOXIA IN DOGS A65-81895
- CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY TO CARBON DIOXIDE IN MAN A65-81903
- PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE ANALYZER BY CONDITIONED REFLEX METHOD IN MAN DURING ACUTE HYPOXEMIA AND HYPERCAPNIA FTD-TT-62-1903/16264 N65-22061
- HYPEROXIA**
- FATAL PHYSIOLOGICAL EFFECTS IN MICE DURING LONG EXPOSURE TO HIGHLY OXYGENATED ENVIRONMENT A65-14384
- PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND OTHER SEVERE OCULAR DAMAGE A65-14385
- OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG BREATHING 100 PERCENT OXYGEN A65-80072
- EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO OXYGEN UNDER HIGH PRESSURE A65-81129
- HYPEROXIC EFFECT ON RESPIRATION IN NORMAL MEN AND PATIENTS WITH CHRONIC HYPOXEMIA A65-81344
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS, AND RABBITS N65-19217
- HYPERPNEA**
- SIGNS OF COMPENSATORY VENTILATION, TACHYPNEA AND HYPERPNEA, AS RELATED TO PHYSICAL EXERCISE A65-80819
- HYPERSONIC FLIGHT**
- IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT, SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842
- HYPERTENSION**
- SA BLOOD PRESSURE
- HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT A65-81744
- PREVENTION OF HYPERTENSION CAUSED BY INDUCED KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOG A65-81988
- CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE A65-82164
- CHANGES IN VECTORCARDIOGRAM OF FLIGHT PERSONNEL IN EARLY STAGES OF HYPERTENSION N65-13724
- OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE IN HYPERTENSION OF ARTERY N65-17787
- ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA OR HYPERTENSION N65-17795
- OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY STAGES OF HYPERTENSION IN HUMANS N65-17798
- MOUNTAIN CLIMATE THERAPY IN HYPERTENSION IN DOGS N65-17833
- HYPERTHERMIA**
- EXERCISE HYPERTHERMIA AND THERMOREGULATION IN MAN A65-80691
- RELATIONSHIP BETWEEN INTRAMUSCULAR TEMPERATURE AND SINGLE AND POLYPHASIC POTENTIAL OF STRIATED MUSCLE IN RABBITS A65-80832
- THERMAL TRAUMA EFFECT AND PATHOGENESIS OF BURN SHOCK, HYPERTHERMIA, AND HYPOTHERMIA - BURN INJURY PATHOLOGY JPRS-29494 N65-20833
- HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS INFECTION AND CONTROLLED FEVER IN CHIMPANZEES N65-22761
- HYPERVENTILATION**
- CARBON DIOXIDE EXCRETION DURING CONTROLLED ALVEOLAR HYPERVENTILATION TO SHOW CORRELATION OF ELECTROENCEPHALOGRAPHIC AND ELECTROMYOGRAPHIC DISTURBANCES TO IN FLIGHT DISTURBANCES A65-11129
- CORONARY FLOW DECREASE IN RESPONSE TO HYPOCAPNIA INDUCED BY HYPERVENTILATION IN ANESTHETIZED DOGS A65-16553
- CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE TENSION A65-80070
- OXYGEN CONSUMPTION, BODY TEMPERATURE, AND SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND WITHOUT VOLUNTARY HYPERVENTILATION A65-80083
- PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP A65-80401
- PHYSIOLOGICAL AND METABOLIC RESPONSE TO HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS A65-80407
- MECHANISM AND MANAGEMENT OF HYPERVENTILATION SYNDROMES A65-80408
- POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN A65-80665
- RETINAL VASCULAR RESPONSE TO HYPERBARIC OXYGENATION A65-80883
- ACID-BASE BALANCE CHANGE AFTER EXPOSURE TO HOT, ARID CONDITIONS RELATED TO HYPERVENTILATION A65-80963
- ELECTROENCEPHALOGRAPHIC CHANGES DURING HYPERVENTILATION IN MAN A65-81080
- ELECTROENCEPHALOGRAPHIC CHANGES DURING INDUCED HYPERVENTILATION IN PILOTS A65-81165
- CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON VENTILATION A65-81896
- DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION, HYPERVENTILATION, AND PHOTIC STIMULATION A65-82032
- INDIVIDUAL DIFFERENCES IN SENSITIVITY TO HYPOCAPNIA AND USE OF HYPERVENTILATION IN SELECTION OF CANDIDATES FOR FLIGHT TRAINING N65-13720
- HYPNOSIS**
- MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066
- OXYGEN CONSUMPTION AND METABOLIC RATES IN HYPNOTIC TRANCE AND SLEEP A65-80681
- ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND DRUG ACTION ON BRAIN, LOCALIZATION OF CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND MODELING FUNCTIONS OF NERVOUS SYSTEM

HYPOCAPNIA

SUBJECT INDEX

- JPRS-30007 N65-24230
- HYPOCAPNIA**
CORONARY FLOW DECREASE IN RESPONSE TO HYPOCAPNIA INDUCED BY HYPERVENTILATION IN ANESTHETIZED DOGS A65-16553
- LIMB CIRCULATORY RESPONSE TO HYPOCAPNIA IN ANESTHETIZED DOG AS AFFECTED BY PHENOXYBENZAMINE A65-80227
- BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS, AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- INDIVIDUAL DIFFERENCES IN SENSITIVITY TO HYPOCAPNIA AND USE OF HYPERVENTILATION IN SELECTION OF CANDIDATES FOR FLIGHT TRAINING N65-13720
- HYPOTENSION**
SA BLOOD PRESSURE
- COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED REST ON CARDIAC DYNAMICS AND DISCUSSION OF ORTHOSTATIC HYPOTENSION N65-28769
- HYPOTHALAMUS**
PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF HUMAN BODY LOCATED IN FRONT SECTION OF HYPOTHALAMUS A65-25075
- HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM FOOT SHOCKS A65-36099
- EFFECT OF SHORT-TERM AND LONG-TERM FOOD DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC LESIONS A65-80653
- TELEMETERING HYPOTHALAMIC TEMPERATURES OF UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT ENVIRONMENTS A65-80682
- THERMOSTAT OF ORGANISM AND ITS SETTING IN RABBIT A65-80912
- THERMOREGULATION AND HYPOTHALAMUS IN MAN IN HOT AND COLD ENVIRONMENTS A65-81082
- HYPOXIA DURING DECOMPRESSION AND EFFECT ON CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS A65-81085
- HYPOTHALAMO-HYPOPHYSEAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288
- LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT A65-81592
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER REGENERATION, BONE MARROW TRANSPLANTATION IN RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS JPRS-29250 N65-20139
- EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF NUCLEI IN HYPOTHALAMIC AREA OF RABBITS N65-20141
- HYPOTHERMIA**
TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION A65-18433
- ANOXIA AND TREATMENT IN ACCIDENTAL HYPOTHERMIA A65-80009
- LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA A65-80059
- EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM A65-80155
- HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO

- CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
- HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN METABOLISM AND ENZYME ACTIVITY OF DOG HEART MUSCLE A65-80178
- HYPOTHERMIA IN TREATMENT OF ACUTE CARBON MONOXIDE POISONING A65-80290
- DECREASED BODY TEMPERATURE AND EFFECT ON CONDITIONED REFLEXES IN RATS A65-80328
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION A65-80583
- 2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION A65-80824
- IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- IMPAIRED RECOVERY FROM HYPOTHERMIA INDUCED BY HYPOXIA IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS, AFTER HYPOTHALAMIC LESIONS A65-80871
- ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND EPINEPHRINE A65-81025
- EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND FUNCTION IN DOGS A65-81172
- CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC GROUND SQUIRREL AND RAT A65-81173
- CHANGES IN PERIPHERAL BLOOD OF RATS IRRADIATED IN HYPOTHERMIC STATE A65-81247
- SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS /PRAIRIE DOG AND GROUND SQUIRREL/ AND NONHIBERNATORS /CAT AND GUINEA PIG/ DURING HYPOTHERMIA A65-81315
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR /CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP HYPOTHERMIA A65-81456
- EXPERIMENTAL HYPOTHERMIA AND BROWN ADIPOSE TISSUE IN RAT RELATED TO HIBERNATION A65-81468
- INFLUENCE OF HIBERNATION AND INTERMITTENT HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGLUTININS IN GROUND SQUIRREL, CITELLUS CITELLUS A65-81497
- HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON RED BLOOD CELLS IN HAMSTER A65-81498
- CASE HISTORY OF AEROEMBOLISM TREATED BY HYPOTHERMIA A65-81523
- EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID ACTIVITY AND IODINE 131 METABOLISM IN MESOCRITETUS AURATUS A65-81594
- CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE BREATHING IN HYPOTHERMIC DOGS A65-81608
- SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE OF DEEP HYPOTHERMIA IN DOGS A65-81619
- HYPOTHERMIA EFFECT ON EYE - CLINICAL, BACTERIOLOGICAL, PATHOLOGICAL AND ANATOMICAL FINDINGS A65-81726
- PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL CHOLINE IN RAT A65-81736
- CHANGES IN OXIDATIVE PROCESSES AND ORGANIC ACID EXCRETION RATE DURING ADAPTATION TO COLD IN MAN A65-81766

SUBJECT INDEX

HYPOXIA

THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS
CENTER IN HYPOTHALAMUS A65-81769

RESISTANCE TO HYPOXIA AND HYPOTHERMIA A65-81794

BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS A65-81795

HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG A65-81797

STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81799

PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS A65-81800

ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803

VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS A65-81804

CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS A65-81806

PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81839

GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS A65-81840

LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843

OXYGEN BREATHING AND RESPIRATION DURING
HYPOTHERMIA A65-82002

DEHYDROGENASE ACTIVITY OF TISSUES DURING EXPOSURE
TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN
ALBINO RATS A65-82027

CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE
TO IONIZING RADIATION AND HYPOTHERMIA IN RATS
A65-82028

DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS A65-82048

COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING
SOUND STIMULATION AND HYPOTHERMIA A65-82306

BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL
DURING HIBERNATION AND INDUCED HYPOTHERMIA
AAL-TDR-63-21 N65-10255

METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE
DURING PROLONGED HYPOTHERMIA
AAL-TDR-64-4 N65-11890

EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE
HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704

LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM
SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL
ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS
NASA-CR-60273 N65-15187

THERMAL TRAUMA EFFECT AND PATHOGENESIS OF BURN
SHOCK, HYPERTHERMIA, AND HYPOTHERMIA - BURN
INJURY PATHOLOGY
JPRS-29494 N65-20833

BODY AND BLOOD TEMPERATURE CHANGES IN PATIENTS
UNDER CONDITIONS OF ARTIFICIAL BLOOD CIRCULATION
WITH MODERATE HYPOTHERMIA N65-24891

HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN
STATE OF HYPOTHERMIA
JPRS-30998 N65-28140

PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS

DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514

HYPOTHESIS
S EXPECTANCY HYPOTHESIS
S INTERMITTENCY HYPOTHESIS

HYPOXIA
SA ANOXIA

HYPOXIA EFFECT ON SUCCESS OF SECOND HOMOLOGOUS
GRAFT OF BONE MARROW IN PREVIOUSLY IRRADIATED AND
GRAFTED MICE A65-12885

DECONDITIONING AND ACCLIMATIZATION SYNDROMES
INDUCED BY PROLONGED HYPOXIA A65-18427

OXYGEN INHALATION IN PROLONGATION OF TIME OF
USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN
INHALATION BY RABBITS A65-31343

SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED
BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES
OPERATED AT OVERPRESSURES TO COUNTERACT HIGH
ALTITUDE HYPOXIA A65-36366

LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN
EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR
ACTIVITY A65-36398

ROLE OF HYPOTHALAMUS ON ERYTHROPOIETIC RESPONSE TO
HYPOXIA IN RABBIT A65-80039

ALVEOLAR HYPOXIA EFFECT ON PULMONARY VASCULAR
RESISTANCE OF DOG A65-80057

MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT A65-80100

SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTO AUTORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE A65-80111

PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTO AUTORADIOGRAPHIC STUDY IN
MOUSE A65-80114

DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING
HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE
A65-80116

ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN
SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122

HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALOACETIC-
TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF
MYOCARDIUM OF RAT A65-80154

PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND
MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY
A65-80176

HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN
METABOLISM AND ENZYME ACTIVITY OF DOG HEART
MUSCLE A65-80178

HEART FUNCTION UNDER HYPOXIA AT HIGH ALTITUDE AND
RELATED PROBLEMS OF BLOOD AND PULMONARY RESPONSE
A65-80208

PRIMARY CORTICAL RESPONSE OF SOMATOSENSORY
AREA IN RATS DURING PROLONGED HYPOXIA
A65-80232

USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW A65-80319

REFLEX CIRCULATORY AND RESPIRATORY RESPONSES TO
HYPOXIA - A REVIEW A65-80356

RESPIRATORY RESPONSE OF MAN TO HYPOXIA
A65-80357

COMPARISON OF CHRONIC HYPOXIA OF ALTITUDE AND THAT
PRODUCED BY RIGHT TO LEFT CIRCULATORY SHUNTS
A65-80359

- TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA DURING HIGH ALTITUDE SIMULATION A65-80443
- HYPOXIC EFFECT ON HUMAN ELECTROENCEPHALOGRAM AT SIMULATED HIGH ALTITUDE A65-80550
- PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO JUXTAGLOMERULAR CELLS OF KIDNEY A65-80559
- HYPOXIA AS ANTI-PHYSICAL DECONDITIONING FACTOR FOR MANNED SPACE FLIGHT A65-80579
- HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA BUT LOWERED BY INSULIN AND CHLORPROMAZINE A65-80587
- ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS ADAPTED TO HYPOXIA A65-80590
- ROLE OF MUSCULAR CONTRACTIONS IN CHEMICAL THERMOREGULATION IN ALBINO RATS UNDER HYPOXIC CONDITIONS A65-80603
- EFFECT OF CAMPHOR ON CARBOHYDRATE-PHOSPHORUS AND OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA IN RATS A65-80628
- EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647
- ENVIRONMENTAL CHAMBER FOR LONG-TERM STUDIES OF CHRONIC HYPOXIA IN SMALL ANIMALS A65-80683
- UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID SYNTHESIS IN BRAIN AND LIVER OF RATS DURING HYPOXIA AND POST-HYPOXIC STATE A65-80721
- VENTILATORY RESPONSE TO HYPOXIC CHEMOCEPTOR STIMULATION OF CAT AS AFFECTED BY CENTRAL AND PERIPHERAL CARBON DIOXIDE TENSION A65-80786
- CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT SIMULATED ALTITUDE A65-80795
- ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE A65-80796
- CHANGES IN PULMONARY VOLUME AND VENTILATION IN HEALTHY AND SICK INDIVIDUALS DURING HYPOXIA AT SIMULATED ALTITUDE A65-80799
- REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY NOREPINEPHRINE AND SODIUM SULFITE A65-80827
- INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE HYPOXIA A65-80835
- IMPAIRED RECOVERY FROM HYPOTHERMIA INDUCED BY HYPOXIA IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS, AFTER HYPOTHALAMIC LESIONS A65-80871
- VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY HYPOXIC ATMOSPHERE A65-80917
- DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT SIMULATED ALTITUDE A65-80928
- SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME ESTIMATION, MEMORY, AND REACTION TIME A65-80951
- DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING EXERCISE AND HYPOXIA A65-80990
- CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
- CHRONIC HYPOXIC STATE A65-80995
- BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED BY HYPOXIA A65-81026
- DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC CONDITIONS A65-81076
- HYPOXIA DURING DECOMPRESSION AND EFFECT ON CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS A65-81085
- THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY HYPOXIA AND REBOUND A65-81171
- SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC PRESSURE A65-81174
- GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA A65-81177
- PHYSIOLOGICAL RESPONSE TO HYPOXIA A65-81180
- HYPOXIC DRIVE IN NORMAL INDIVIDUALS AND PATIENTS WITH CHRONIC HYPOXEMIA A65-81188
- INFLUENCE OF INDOLYLALKYLAMINES AND OTHER COMPOUNDS ON ABILITY OF MICE TO TOLERATE LOW BAROMETRIC PRESSURE IN PRESSURE CHAMBER A65-81266
- RESPIRATORY ARRHYTHMIA AND RESPIRATORY ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND HYPOXIA IN DOGS A65-81277
- PSYCHOLOGICAL EFFECTS OF CHRONIC MILD HYPOXIA A65-81322
- PSYCHOLOGICAL CORRELATES OF HYPOXIA-STRESS TOLERANCE A65-81333
- OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA AND BRAIN CIRCULATION A65-81338
- HYPEROXIC EFFECT ON RESPIRATION IN NORMAL MEN AND PATIENTS WITH CHRONIC HYPOXEMIA A65-81344
- CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM A65-81398
- UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC AND OXYGENATED CONDITIONS A65-81415
- EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY SIZE IN RATS A65-81429
- HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN SYNTHESIS IN RAT TISSUES A65-81473
- RESPONSE MECHANISM IN DOGS OF CIRCULATION AND CARDIOVASCULAR SYSTEM TO HYPOXIA A65-81502
- QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION A65-81535
- PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS AND MAN A65-81636
- ELECTROENCEPHALOGRAM AND PULSE RATE OF RABBIT AS AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA A65-81666
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND

SUBJECT INDEX

HYPOXIA CONTO

- PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL SUBJECTS A65-81668
- ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM AND ON EXCESS LACTATE IN DOG A65-81747
- HYPOXIA IN ONE LUNG AND EFFECT ON DISTRIBUTION OF PULMONARY CIRCULATION AND VENTILATION A65-81757
- RESISTANCE TO HYPOXIA AND HYPOTHERMIA A65-81794
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN DOG A65-81797
- RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY TEMPERATURE IN MAN DURING STARVATION A65-81798
- STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND HYPOTHERMIA IN DOG A65-81799
- PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA IN DOGS A65-81800
- DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL HYPOXIA IN DOGS A65-81838
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND HYPOTHERMIA IN DOG A65-81839
- GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA IN DOGS A65-81840
- EVALUATION OF HEPATIC FUNCTION TESTS IN EXPERIMENTAL HYPOXIA IN DOGS A65-81842
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- HEMODYNAMIC RESPONSE IN DOGS TO CHRONIC DISCONTINUOUS HYPOXIA A65-81844
- GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT ACCIDENT INVESTIGATION A65-81846
- CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC NERVES A65-81847
- EFFECT OF HYPOXIA ON SIZE OF ERYTHROCYTES IN DOGS A65-81874
- EFFECT OF DIFFERENT DEGREES OF HYPOXIA ON SENSITIVITY TO EPILEPTOGENIC AGENT AND ON MOTOR UNIT FUNCTION OF BRAIN IN RATS A65-81877
- VENTILATORY RESPONSE TO CARBON DIOXIDE DURING HYPOXIA IN DOGS A65-81895
- OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS USED A65-81947
- INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR TASK PERFORMANCE WITH OXYGEN DEFICIENCY A65-81968
- PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY METHYL DOPA A65-82191
- AVOIDANCE RESPONSE TO VARIOUS HYPOXIC ATMOSPHERES AND REVERSAL BEHAVIOR IN WHITE MICE A65-82209
- PULMONARY VASCULAR CHANGES OF HUMAN INFANT, DOG, AND CALF WITH UNILATERAL HYPOXIA A65-82232
- ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS A65-82274
- NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS AFFECTED BY HYPOXIA A65-82369
- RESPIRATORY CHANGES IN SICK AND HEALTHY HUMANS UNDER CONDITIONS OF HYPOXIA N65-13628
- VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC ACTIVITY DUE TO HYPOXIA N65-13629
- RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST N65-13647
- PHYSIOLOGICAL ASPECTS OF HYPOXIA AND CHEMICAL THERMOREGULATION N65-13688
- EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704
- DIAGNOSIS OF CHANGES IN ELECTROENCEPHALOGRAPHY TO ESTABLISH HUMAN RESISTANCE TO ACUTE HYPOXIA FOR LONG PERIOD OF TIME N65-13731
- HISTOCHEMICAL EXAMINATION OF CHANGES IN DISTRIBUTION OF EFFECT OF SUCCINIC DEHYDROGENASE, CARBOANHYDRASE, ATP AND SULFHYDRYL GROUPS OF INNER ORGANS IN HYPOXIA N65-13758
- ADAPTATION TO HYPOXIA AND HIGH ALTITUDE ACCLIMATIZATION N65-17745
- OXYGEN DEFICIENCY - HYPOXIA IN MAN AND ANIMALS FTD-TT-64-878/1&2 N65-17751
- COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA ACCLIMATIZATION N65-17752
- LOWER VERTEBRATES ADAPTATION TO HYPOXIA N65-17753
- INFLUENCE OF HYPOXIA ON CONDITIONED RESPONSES OF FISH N65-17754
- RACER ELECTROCARDIOGRAM UNDER NORMAL CONDITIONS AND IN HYPOXIA N65-17755
- COMPARATIVE PHYSIOLOGICAL FEATURES OF ANIMAL HEMATOGENETIC FUNCTIONS UNDER HIGH MOUNTAIN CLIMATE CONDITIONS - HYPOXIA N65-17756
- AGE AS FACTOR IN ORGANISM REACTION TO HYPOXIA N65-17757
- AGE AS FACTOR IN HUMAN ADAPTION TO HYPOXIA N65-17758
- HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA N65-17760
- ACUTE HYPOXIA INFLUENCE ON ACID RESISTANCE OF ERYTHROCYTES OF DOGS N65-17761
- SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY N65-17762
- REACTION OF AGING ORGANISM TO ACUTE HYPOXIA N65-17763
- AGE FACTOR IN REACTION OF HEART TO HYPOXIA N65-17764
- EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION TO HYPOXIA IN AGING HUMANS N65-17765
- INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN RESPIRATORY FORMATIONS OF BRAIN N65-17766
- CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE HYPOXIA N65-17767
- POLARGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING ORGANISM N65-17768
- OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA N65-17769

- ENERGY INDICES TO STATE OF CENTRAL NERVOUS SYSTEM
IN HYPOXIA N65-17770
- ASPHYXIA INFLUENCE ON ELECTROCORTICAL EFFECTS OF
ACETYLCHOLINE - HYPOXIA N65-17771
- ADAPTIVE COMPENSATORY FUNCTIONS OF ORGANISM IN
HYPOXIA N65-17773
- MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774
- ADULT HUMAN ADAPTATION TO HYPOXIA N65-17775
- SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN
MECHANISM OF RESPIRATION AND BLOOD CIRCULATION
IN HYPOXIA N65-17776
- NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO
OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS N65-17777
- REFLEX MECHANISM OF PERIODIC RESPIRATION IN
HYPOXIA N65-17778
- GAS EXCHANGE REGULATION IN HYPOXEMIA N65-17779
- DECOMPENSATION AND COMPENSATION OF RESPIRATORY
SYSTEM IN HUMAN HYPOXIA N65-17780
- ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE
COMPENSATION FOR HYPOXIA IN MAN N65-17781
- INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC
PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM
AFTER LUNG SURGERY N65-17783
- REGIONAL OXYGEN DEFICIENCY IN HUMANS WITH HYPOXIA
N65-17784
- TWO CHEMORECEPTOR MECHANISMS OF CAROTID SINUS
REFLEX - HYPOXIA N65-17785
- INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL
ARTERY IN DOGS N65-17786
- HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL
HEART DEFECTS OF BLUE AND PALLID TYPES N65-17789
- HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE
STRUCTURES, AND AUTOALLERGY IN PATHOLOGY N65-17790
- COMPENSATION MECHANISMS IN CHRONIC OXYGEN
DEFICIENCY IN BLOOD CIRCULATORY SYSTEM N65-17791
- HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE N65-17792
- ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA
OR HYPERTENSION N65-17795
- HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS
USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF
DAMAGED ENDOCARDIUM N65-17796
- OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY
STAGES OF HYPERTENSION IN HUMANS N65-17798
- HYPOXIA DEVELOPMENT MECHANISM IN CARDIOVASCULAR
SYSTEM DISEASE N65-17799
- DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN
CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT
TREATMENT N65-17800
- CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI
RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA
PATIENTS N65-17801
- HYPOXIA IN PATHOLOGY OF LIVER DISEASES N65-17802
- HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH N65-17803
- DURATION OF CLINICAL DEATH AND HYPOXIA N65-17804
- HYPOXIA IN UNCOMPENSATED SKIN LOSS FROM BURN
INJURY N65-17805
- ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY
ACCLIMATIZATION TO HYPOXIA N65-17806
- IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA
CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION,
AND VIBRATION N65-17809
- RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION
SICKNESS N65-17810
- REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA
ACCLIMATIZATION N65-17811
- PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION
TO HIGH MOUNTAINS N65-17812
- OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND
SPINAL CORD IN HYPOXIA ACCLIMATED RATS N65-17813
- LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814
- OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN
DURING ACCLIMATIZATION TO HYPOXIA N65-17815
- ACCLIMATIZATION TO HYPOXIA BY MAN AND ANIMALS N65-17817
- CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS
IN HIGH ALTITUDE ENVIRONMENT N65-17824
- INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS
IN HIGH ALTITUDE ENVIRONMENT N65-17827
- CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH
ALTITUDES N65-17828
- HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL
EPILEPTIC SEIZURES IN DOGS AND RATS N65-17841
- HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED
TO SCHIZOPHRENIA PATIENTS N65-17842
- OXIDATION METABOLISM DISTURBANCE DISTINCT FROM
HYPOXIA N65-17843
- DEGREE OF HYPOXIA OR OXYGEN DEFICIENCY PROBLEM N65-17844
- AUTOMATIC DIAGNOSIS OF DEGREE OF HYPOXIA N65-17845
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION
LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO
HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS,
AND RABBITS N65-19217
- HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES
DURING HYPOXIC HYPOXIA JPRS-28921 N65-19810
- OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE
DURING RADIATION SICKNESS N65-22730
- CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,
RESPIRATION, CIRCULATION, AND APNEA JPRS-30577 N65-25459
- CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON
CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF
HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION
OF TRAINED DOGS AMRL-TR-64-145 N65-27837
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS
DURING HYPOXIA - ANIMAL STUDY

SUBJECT INDEX

IMAGERY

- SAM-TR-64-78 N65-34068
BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS
ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA
IN DOGS SUBJECTED TO HEMORRHAGING
JPRS-31781 N65-35017
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TM-X-51649 N65-35262
- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON
CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- IBM 1620 COMPUTER
FORTRAN PROGRAM FOR IBM 1620 COMPUTER TO
CALCULATE ISO RESPONSE AND VOLUME RESPONSE OF
DETECTOR-COLLIMATOR SYSTEM N65-25664
- COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS
GGC/EE/65-10 N65-35197
- ICE
DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561
- ICE FORMATION
TIME FACTOR INITIATING FREEZING AND ICE
PENETRATION AND FORMATION IN MOUSE LIMB TISSUE
AAL-TDR-63-27 N65-17910
- INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS
AAL-TDR-63-39 N65-18971
- IDENTIFICATION
TECHNIQUES OF IDENTIFICATION APPLIED TO 81
EXTREMELY FRAGMENTED AIRCRAFT FATALITIES
A65-81231
- IDENTIFICATION PROBLEMS OF MASS CASUALTIES IN
COMMERCIAL AIRCRAFT ACCIDENT INVESTIGATION
A65-81518
- PROBLEMS OF IDENTIFICATION OF BODIES DURING
AUTOPSY OF AIRCRAFT ACCIDENTS
A65-81586
- ELECTROMYOGRAPHIC ELECTRODE DESIGNED FOR
IDENTIFICATION OF RECORDING SITES
A65-81922
- FEASIBILITY OF IDENTIFYING PERSONS BY ANALYZING
ACCELERATION AND PEN-PAPER CONTACT PATTERNS
GENERATED DURING SIGNATURE PROCESS
SID-65-24 N65-30559
- RECOVERY OF TRACE ORGANIC CONTAMINANTS IN
SEALAB I ATMOSPHERE, SEPARATION WITH GAS
CHROMATOGRAPH, AND IDENTIFICATION
N65-31484
- VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554
- IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR
RADIATION EXPOSURE CONTROL COUNTERMEASURES
RELATIVE TO VARIOUS POST-ATTACK CONDITIONS
GTC-54-63-64 N65-33623
- IFR
S INSTRUMENT FLIGHT RULE /IFR/
- IGNITION TEMPERATURE
S SPONTANEOUS IGNITION TEMPERATURE
- ILLUMINANCE
BRIGHTNESS CONSTANCY UNDER GRADIENT OF
ILLUMINATION A65-81438
- ILLUMINATION
UNIFORMLY ILLUMINATED SURFACE LUMINOSITY
FLUCTUATIONS DUE TO CORPUSCULAR NATURE OF LIGHT AS
VIEWED BY HUMAN OBSERVER A65-18424
- EFFECT OF ENVIRONMENTAL ILLUMINATION ON ESTROUS
CYCLES OF RODENTS A65-81867
- IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS A65-81891
- FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO
ILLUMINATION AND RADIATION FROM SUN AND ATOMIC
BLASTS TOGETHER WITH PROTECTIVE MEASURES
A65-82188
- INTERMITTENT ILLUMINATION EFFECTS ON PERCEPTUAL
MOTOR PERFORMANCE A65-82292
- EFFECTS OF ILLUMINATION CHARACTERISTICS ON MITOSIS
IN CHLORELLA PYRENOIDOSA CULTURES
A65-82317
- LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344 N65-25675
- ILLUSION
SA MOON ILLUSION
- PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS
A65-80246
- SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED,
EXPOSURE TIME, AND DISTANCE
A65-80517
- EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON
VESTIBULAR APPARATUS AND VISION
A65-81200
- INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL
ILLUSIONS
A65-81218
- SPATIAL ORIENTATION EFFECT ON POGENDORFF ILLUSION
A65-81316
- BEHAVIORAL BASIS OF PERCEIVED SIZE AND DISTANCE
AND EXPLANATION OF SIZE ILLUSIONS
A65-81404
- NON-ADDITIVITY OF PERCEIVED DISTANCE WITH
MUELLER-LYER FIGURE
A65-81648
- PERCEPTION OF ILLUSIONS AS CONSTANCY PHENOMENON
A65-82105
- STIMULUS DIMENSIONS OF ROTATING SPIRALS
A65-82231
- VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE
MOVEMENT
NASA-CR-63651 N65-27513
- IMAGE
SA AFTERIMAGE
SA RETINAL IMAGE
- RECOGNITION VALUES UNDER VARYING LEVELS OF IMAGE
DEGRADATION
ESD-TDR-64-666 N65-18963
- IMAGE INTENSIFIER
SA LASER
- SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVEN-1440-1 N65-31622
- IMAGERY
SA ILLUSION

IMMERSION

SENSORY DEPRIVATION, PERSONALITY FACTORS, AND
EXPERIENCE OF VISUAL IMAGERY A65-80516

SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP
BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF
REPORT, AND ANXIETY A65-80561

VISUAL IMAGERY PRODUCED BY RHYTHMIC PHOTIC
STIMULATION - PERSONALITY CORRELATES AND
PHENOMENOLOGY A65-80866

COGNITIVE AND PERCEPTUAL DISTURBANCES IN
SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF
DIFFERENTIAL EXPECTANCY LEVELS A65-81665

MENTAL ACTIVITY IN HYPNAGOGIC PERIOD AT SLEEP
ONSET RELATED TO ELECTROENCEPHALOGRAPHY PATTERN
A65-82003

GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS A65-82046

DISTURBANCES IN FALSE IMAGES IN NEUROSES AND
PSEUDONEUROSES
FTD-TT-64-52/1&2 N65-18647

PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR
INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF
COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL
ASPECTS OF IMAGERY AND CONTENT
RADP-TDR-64-326 N65-23083

ENHANCING QUALITY OF IMAGERY INVESTIGATED USING
STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS
AMRL-TR-65-28 N65-30632

IMMERSION

HUMAN BODY EXTREMITY CUFF-TOURNIQUET EFFECTS ON
TILT TABLE TOLERANCE TAKEN AFTER 6 HOURS OF WATER
IMMERSION A65-24078

SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT
POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL
HEMODYNAMICS A65-80175

TIME COURSE OF DECLINE IN SWEATING PRODUCED BY
IMMERSION IN WARM WATER A65-80510

POSITIVE ACCELERATION EFFECT ON CHIMPANZEES
IMMERSED IN WATER A65-80727

UNDERWATER SWIMMING AND EFFECT ON RESPIRATION
DURING BREATHOLDING A65-80745

EFFECT OF EXTREMITY CUFF TOURNIQUETS ON TILT TABLE
TOLERANCE AFTER WATER IMMERSION A65-81065

WATER IMMERSION EFFECT ON HUMANS - PLASMA VOLUME
AND ELECTROLYTE CHANGES A65-81066

SYMPATHETIC NERVOUS SYSTEM FUNCTION REVEALED BY
PLASMA FREE FATTY ACID RESPONSES TO TILTING
FOLLOWING WATER IMMERSION A65-81136

INTRAPULMONARY PRESSURE OF BREATHOLDING SUBJECTS
LYING AND SITTING IN AIR AND WATER A65-82158

IMMERSION EFFECT ON MEAN INTRAPULMONARY PRESSURE
FPRC/1220 N65-12843

UNDERWATER PRESSURE-COMPENSATED, BREATHING CONTROL
VALVES FOR PROLONGED WATER IMMERSION
AMRL-TR-64-130 N65-19153

IMMUNITY

INFLUENCE OF HIBERNATION AND INTERMITTENT
HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGUTININS
IN GROUND SQUIRREL, CITELLUS CITELLUS A65-81497

EFFECTS OF WEIGHTLESSNESS AND OTHER STRESSES IN
SPACE FLIGHT ON PATHOGENICITY AND IMMUNITY
NASA-CR-63282 N65-26065

IMMUNOLOGY

SA ALLERGY

SUBJECT INDEX

IMMUNOABSORBENT SYNTHESIS FOR ISOLATING PURINE-
SPECIFIC ANTIBODIES FROM BLOOD SERUM A65-25911

GENERAL IMMUNOLOGICAL RESPONSE AND DISEASE
INCIDENCE IN WORKERS EXPOSED TO CARBON DISULFIDE
FUMES. A65-82244

BIOCHEMISTRY AND RADIATION IMMUNOLOGY
JPRS-28016 N65-15666

RADIATION IMMUNOLOGY N65-15667

TETRATHIONATE EFFECT ON STABILITY AND
IMMUNOLOGICAL PROPERTIES OF MUSCLE
TRIOSEPHOSPHATE DEHYDROGENASES
NASA-CR-56251 N65-19962

LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS
IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC
ACIDS N65-25590
NASA-CR-63246

EFFECT OF IONIZING RADIATION ON IMMUNITY IN RATS
N65-28299

QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR
DETECTION OF SMALL DIFFERENCES IN PROTEIN
STRUCTURE
NASA-CR-58660 N65-29652

QUANTITATIVE DETERMINATION OF ANTIGEN
CONCENTRATION BY RELATING IMMUNOELECTROPHORETIC
PRECIPITIN ARC POSITION TO ANTIGEN AND ANTIBODY
ORIGINS N65-34417
SAM-TR-64-92

IMPACT

PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN
LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT
POSTURAL POSITIONS A65-80129

IMPACT ACCELERATION

FLUID FILLED LIMIT STRETCH DEVICE DESIGN FOR
PROTECTION AGAINST IMPACT ACCELERATION A65-11399

RELATIONSHIP OF BODY ORIENTATION IN ACCELERATED
IMPACT TO LIMITS OF TOLERANCE, INJURY, AND
FATALITY N65-16612

IMPACT DAMAGE

SA METEOR HAZARD

EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON
LAND OR WATER ON ANIMAL ORGANISM A65-80440

RELATIONSHIP OF BODY ORIENTATION IN ACCELERATED
IMPACT TO LIMITS OF TOLERANCE, INJURY, AND
FATALITY N65-16612

IMPACT DECELERATION

HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET
SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT
TO SPACE FLIGHT A65-14808

IMPACT LOAD

STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653

IMPACT TEST

IMPACT TESTING OF HELMETS BY SWINGAWAY AND ANVIL
METHODS TO DETERMINE CAPABILITY TO ABSORB MULTIPLE
BLOWS A65-11395

IMPACT TOLERANCE

HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO
SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY
POSITIONS AND CONFIGURATIONS A65-14223

HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET
SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT
TO SPACE FLIGHT A65-14808

IMPACT STRESS IN CHIMPANZEES SUBJECTED TO G

SUBJECT INDEX

INDUSTRIAL SAFETY

- FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC DEHYDROGENASE AND LDH ISOENZYME ANALYSIS A65-22911
- LANDING IMPACT & FORCE INFLUENCE ON ANIMAL ORGANISM N65-16405
- RELATIONSHIP OF BODY ORIENTATION IN ACCELERATED IMPACT TO LIMITS OF TOLERANCE, INJURY, AND FATALITY N65-16612
- TOLERANCES OF HUMAN FACE TO CRASH IMPACT AM-65-20 N65-34678
- IMPACTOR**
DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF PARTICULATE MATERIAL DURING OPERATION ROLLER COASTER INCLUDING PERFORMANCE OF CASCADE IMPACTORS AND FITTING OF DISTRIBUTIONS AMRE-O-20/65 N65-28885
- IMPEDANCE**
SA ACOUSTIC IMPEDANCE
SA RESPIRATORY IMPEDANCE

ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW ARTIFICIAL EAR WITH NEW RECORDING DEVICE A65-80743
- IMPEDANCE MEASUREMENT**
BLOOD DISPLACEMENT UNDER G FORCES APPLIED LONGITUDINALLY TO HUMAN BODY MEASURED, USING ELECTRIC IMPEDANCE CHANGES IN LOWER EXTREMITIES A65-26417

IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
- IMPLANTATION**
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR RECORDING BIOELECTRICAL DATA, FORCE AND DISPLACEMENT A65-10546

PROGRESS REPORT ON RADIO TELEMETRY FROM INSIDE BODY A65-81057

SURGICAL PROCEDURES FOR IMPLANTING CHRONIC CORTICAL LEADS IN CHIMPANZEE FOR ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE MEDICINE N65-36771
- IMPULSE**
THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM JPRS-31837 N65-32380
- IMPULSE NOISE**
PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM VARIOUS WEAPON SYSTEMS A65-81682

HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE AND TECHNIQUES FOR ATTENUATION AT PERSONNEL POSITIONS TN-4-64 N65-14344
- IN-FLIGHT MONITORING**
CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE FLIGHT SIMULATORS A65-23199

PHYSIOLOGICAL PARAMETER RESEARCH AND INSTRUMENTATION DEVELOPMENT PHASES OF LONG RANGE PROGRAM FOR IN-FLIGHT MONITORING IN FLIGHT ENVIRONMENT A65-26166

RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD PRESSURE, ELECTROCARDIOGRAM, AND ELECTROENCEPHALOGRAPHY DATA COLLECTED BY PORTABLE MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283

MEDICAL MONITORING OF HEART RATE PATTERNS DURING VARIOUS FLIGHT STRESS SITUATIONS A65-81292

NASA PROGRAM TO DEVELOP IN-FLIGHT MEDICAL
- MONITORING WITH COMPUTER TECHNIQUES FOR HANDLING DATA A65-81336
- HEART RATE MONITORING AND ANALYSIS DURING SPACE ENVIRONMENT SIMULATION SAM-TR-65-26 N65-31620
- ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT MONITORING SAM-TR-65-18 N65-34266
- INDEPENDENT VARIABLE**
MAGNITUDE OF GRAVITATIONAL FORCE, INDEPENDENT VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF HORIZONTAL-SPACE PERCEPTION NASA-CR-67538 N65-36426
- INDEX**
S ENVIRONMENTAL INDEX
S PSYCHOLOGICAL INDEX
- INDIA**
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA AEET-AM-40 N65-30902

PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS AEET/HP/TH-21 N65-31022
- INDICATOR**
SA DETECTOR

CONCEPTS AND INDICATORS IN STUDIES OF BEHAVIOR UNDER STRESS - LOGIC AD-610808 N65-28803
- INDOLE**
INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH, STUDIED BY RADIOASSAY A65-31319
- INDUSTRIAL SAFETY**
PROBLEMS OF INDUSTRIAL HYGIENE AND BIOLOGICAL EFFECT PRODUCED BY RADIO WAVES OF DIFFERENT BANDS A65-80065

LEAD EXCRETION AND HEALTH OF ANTIKNOCK BLENTERS A65-81482

INDUSTRIAL TOXICOLOGY - VANADIUM SMELTING, BERYLLIUM LEVEL IN BIOLOGICAL MEDIA, AND CONCENTRATIONS OF TOXIC SUBSTANCE IN AIR JPRS-27282 N65-10034

RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM IN INDUSTRY AND STANDARDIZATION OF RADIOACTIVE SUBSTANCES JPRS-27032 N65-10120

BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES N65-10122

INDUSTRIAL SAFETY, HYGIENE, AND SANITATION STUDIES JPRS-27200 N65-11459

PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD CONTROL - INDUSTRIAL SAFETY AND HYGIENE SC-RR-64-562 N65-16668

INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES JPRS-28951 N65-18027

MAXIMUM PERMISSIBLE CONCENTRATION OF INDUSTRIAL DUST STANDARDIZATION PROBLEM JPRS-29693 N65-21572

INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD - STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND TRACING PHENOL CONTENT IN AIR JPRS-29981 N65-23776

ROENTGENOLOGY AND RADIOLOGY IN INDUSTRY AND MEDICINE JPRS-30622 N65-26391

CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS

- OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392
- SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING
OF THORIUM AND ITS COMPOUNDS
AEC-TR-6536/REV./ N65-26596
- DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS,
SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS
N65-28298
- INDUSTRY**
- OZONE TOXICOLOGY- REVIEW OF RESEARCH AND
INDUSTRIAL EXPERIENCE 1954-1964
A65-81397
- HUMAN PERFORMANCE IN INDUSTRY A65-81487
- FACTS ABOUT LEAD POISONING AND INDUSTRIAL HYGIENE
A65-81545
- VARIOUS ASPECTS OF NOISE HAZARD AND HEARING LOSS
IN INDUSTRIAL PLANTS A65-81687
- HUMAN ENGINEERING IN INDUSTRY - ANNOTATED
BIBLIOGRAPHY N65-19805
- CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM
PERIODICITY EFFECTS ON TASK PERFORMANCE IN
INDUSTRY
AD-611788 N65-22678
- TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES
IN INDUSTRY
JPRS-29913 N65-23145
- CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457
- MICROBIOLOGICAL SYNTHESIS IN INDUSTRY AND PROTEIN
BIOSYNTHESIS
JPRS-30486 N65-25722
- MICROBIOLOGICAL SYNTHESIS - THEORETICAL AND
INDUSTRIAL ASPECTS, AND ADVANTAGES OVER CHEMICAL
SYNTHESIS N65-25723
- MECHANIZATION PROBLEMS OF INDUSTRIAL MANAGEMENT
N65-30279
- INERT GAS**
S RARE GAS
- INERTIA**
- MATHEMATICAL MODEL FOR PREDICTING INERTIAL
PROPERTIES OF HUMAN BODY
GA/PHYS/64-3 N65-12133
- INERTIA MOMENT**
SA ANGULAR MOMENTUM
- INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- INERTIAL FORCE**
- MATHEMATICAL MODEL OF HUMAN BODY PREDICTING ITS
INERTIAL PROPERTIES IN ANY FIXED BODY POSITION,
INCLUDING LOCATION OF MASS CENTER
AIAA PAPER 65-498 A65-30202
- GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE
FLIGHT
NASA-CR-56358 N65-16433
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND
INERTIAL FORCE EXPOSURE
NASA-CR-57274 N65-19692
- MAGNITUDE OF GRAVITOINERTIAL FORCE, INDEPENDENT
VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF
HORIZONTAL-SPACE PERCEPTION
NASA-CR-67538 N65-36426
- INFECTION**
SA AIRBORNE INFECTION
- PULMONARY RESISTANCE TO INFECTION IN MALE AND
FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND
ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA,
PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND
S. AUREUS A65-81598
- INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448
- GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION
N65-25658
- PREVENTION OF INFECTIONS AND HEMORRHAGIC
MANIFESTATIONS FOLLOWING SEVERE RADIATION
DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES
N65-25661
- INFLATION**
- ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346 N65-14761
- INFORMATION**
- ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC
OF STIMULUS N65-13750
- BIOLOGY AND MEDICINE REFERENCE INFORMATION AND
DATA HANDBOOK
AMRL-TR-64-100 N65-15790
- SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS
DIRECTORY FOR FACILITATING EXCHANGE OF DATA,
IDEAS, AND INFORMATION
NASA-CR-53419 N65-16826
- INFORMATION SYSTEMS FOR AUTOMATED ON-JOB TRAINING
ESD-TDR-64-234, VOL. III N65-31242
- ROLE OF SEXES IN TRANSMISSION AND CONVERSION
OF GENETIC INFORMATION N65-32583
- INFORMATION PROCESSING**
- HUMAN INFORMATION PROCESSING CONCEPTS EXAMINING
READ-IN, STORAGE, DECISION MAKING AND READ-OUT
SUBSYSTEMS A65-25180
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS
SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF
SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT
ON CATS A65-30589
- HUMAN OPERATOR ROLE IN PERFORMING INFORMATION
PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR
CONSOLE MEMORY A65-35478
- MONOCULAR DISCRIMINATION BY TRAINED GOLDFISH OF
DIFFERENT PATTERNS AND COLORS, SHOWING
INTERHEMISPHERIC COLOR INFORMATION TRANSFER MORE
EFFECTIVE THAN PATTERN A65-35588
- SINGLE CHANNEL HYPOTHESIS A65-80850
- CHOICE REACTIONS TO TACTUAL STIMULATION WITH
COMPATIBLE AND INCOMPATIBLE INSTRUCTIONS
A65-80863
- SKILLS INVOLVED IN READING METERS DURING
SUPERVISION OF AUTOMATIC ASSEMBLY SYSTEMS
A65-80886
- EYE-MOVEMENT PATTERNS IN SCANNING NUMERICAL
DISPLAYS RELATED TO INFORMATION PROCESSING
A65-81007
- HUMAN FACTORS ENGINEERING A65-81060
- DIFFICULTY IN DISCRIMINATING BETWEEN RELEVANT AND
IRRELEVANT INFORMATION RELATED TO AGE
A65-81122
- DELAYED AUDITORY FEEDBACK EFFECT ON MORSE CODE
TRANSMISSION BY SKILLED OPERATORS
A65-81167
- SEEKING INFORMATION TO REDUCE RISK OF DECISIONS
A65-81578

- TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS ON CUTANEOUS INFORMATION PROCESSING A65-81645
- ISOLATION EFFECT IN VISUAL PATTERN PERCEPTION SIMILAR TO EFFECT IN SERIAL LEARNING A65-81751
- SHORT-TERM MEMORY UNDER WORK-LOAD STRESS A65-81979
- INFORMATION THEORY APPLICATION TO MEMORY AND THOUGHT IN HUMAN INTELLECTUAL PERFORMANCE A65-82110
- ACOUSTIC FACTORS VERSUS LANGUAGE FACTORS IN SHORT-TERM MEMORY A65-82280
- PATTERN PREFERENCE AS FUNCTION OF PATTERN INFORMATION A65-82287
- PSYCHOLOGICAL REFRACTORY PERIOD IN BISENSORY TRACKING TASK A65-82288
- SCANNING RATE FOR MULTIPLE TARGETS A65-82339
- RELATION OF REACTION TIME TO INFORMATION TRANSMISSION WITH UNEQUALLY LIKELY ALTERNATIVES A65-82340
- STORAGE OF TIME INFORMATION IN STUDY OF REACTION TIME TO PERIODIC STIMULI IMPAIRED BY SIMULTANEOUS PERFORMANCE OF SECOND TASK A65-82341
- INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND EXERCISE ON CARDIOVASCULAR RESPONSES N65-28763
- MECHANISM FOR ENCODING, PROCESSING AND STORAGE OF PERCEPTUAL CONFORMATION IN PROBLEM SOLVING AD-463786 N65-28999
- PRINCIPLES FOR DESIGN AND USE OF INFORMATION SYSTEMS FOR AUTOMATED ON-THE JOB TRAINING ESD-TDR-64-234, VOL. V, FINAL N65-31249
- INFORMATION PROCESSING PROPERTIES OF RETINA IN FROG AMRL-TR-65-24 N65-32303
- INFORMATION RETRIEVAL
HUMAN OPERATOR ROLE IN PERFORMING INFORMATION PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR CONSOLE MEMORY A65-35478
- READERSHIP SURVEY ON UTILIZATION OF ABSTRACTS OF CURRENT LITERATURE SECTION OF AEROSPACE MEDICINE A65-80388
- COMPUTER PROGRAMMING AND INFORMATION RETRIEVAL FOR LINGUISTIC TRANSFORMATIONAL ANALYSIS RADC-TDR-64-200 N65-16009
- CYBERNETIC AND COMPUTER TECHNIQUES SIMULATING HUMAN PSYCHOLOGICAL FACTORS - INFORMATION RETRIEVAL JPRS-31062 N65-29350
- CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS OF SENTENCES INCLUDING HUMAN EMOTIONAL AND MEMORY CHARACTERISTICS N65-29351
- INFORMATION THEORY
PSYCHOLOGICAL EXPERIMENTS WITH SUBJECTIVE INFORMATION, DEFINED AS AMOUNT OF INFORMATION IN JUDGMENTS OF NUMBER AND FREQUENCY OF EVENTS A65-18288
- INFORMATION REDUCTION IN ANALYSIS OF SEQUENTIAL TASKS A65-80193
- INFORMATION THEORY AND FUNDAMENTAL CONSTRAINTS TO SENSORY DISCRIMINATION OF ANIMALS BY TWO KINDS OF NEURAL NOISE A65-82062
- INFORMATION THEORY APPLICATION TO STUDIES OF TRACKING BEHAVIOR A65-82085
- INFORMATION THEORY APPLICATION TO HUMAN TRACKING BEHAVIOR - ADDITIONAL EXPLANATION A65-82086
- INFORMATION FLOW MODEL OF ORGANIZATION OF MOTOR ACTIVITY A65-82196
- INFORMATION THEORY APPLIED TO NEURAL NETS AND MOTOR AND VISUAL NERVOUS SYSTEMS AMRL-TR-64-80 N65-11898
- HUMAN VISION DESCRIBED AS MECHANICAL INFORMATION SYSTEM - CYBERNETICS AND INFORMATION THEORY FTD-TT-64-401/1 N65-17173
- INFORMATION - INDEXING APPROACH TO PREDICT DECISION ADEQUACY IN ANTISUBMARINE AND ANTI-AIRCRAFT WARFARE REPT.-567-R-2 N65-28334
- NEUROPHYSIOLOGICAL CEREBRAL CORRELATION MODEL OF INFORMATION TRANSACTIONS, AND INFORMATION STORAGE NASA-CR-64570 N65-32027
- INFRARED RADIATION
RADIANT HEATING OF BODY IN ACCLIMATIZED AND UNACCLIMATIZED SUBJECTS - SWEATING AND SKIN TEMPERATURE IN BODY REGIONS HEATED BY INFRARED A65-81692
- SPATIAL SUMMATION OF PAIN FOR LARGE BODY AREAS USING HIGH INTENSITY INFRARED RADIATION DASA-1568 N65-29159
- INFRARED SPECTROSCOPY
ABSORPTION OF CARBON TETRACHLORIDE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE, METHYL CHLORIDE, AND TRICHLOROETHANE THROUGH HUMAN SKIN ANALYZED BY INFRARED SPECTROSCOPY A65-80219
- INFRARED SPECTRUM
OPTICAL PROPERTIES OF YOUNG LEAVES OF PLANTS IN IR REGION OF SPECTRUM A65-20083
- INGESTION
ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND REAL PARTICULATE FALLOUT ACRH-102 N65-13845
- PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION PERFORMANCE IN VIGILANCE TASK TR-750-3 N65-15728
- GAS FORMATION AND EXPULSION FOLLOWING INGESTION OF CERTAIN FOODS N65-18588
- HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION FROM RADIOACTIVE CLOUD, INHALATION, OR INGESTION OF RADIOACTIVE SUBSTANCES AHSB/S/-R-64 N65-25154
- EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING GROWTH PERIOD OF BEAGLE AND ITS RELATION TO RADIUM 226 TOXICITY UCD-472-112 N65-32350
- INHABITANT
SA MOUNTAIN INHABITANT
ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION A65-80662
- INHALATION
CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON VARIOUS ANIMALS A65-18431
- INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY HUMAN A65-80106
- QUANTITATIVE EVALUATION OF VASOCONSTRICTION DURING DEEP INSPIRATION A65-81716

INHIBITION

HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON DIOXIDE INHALATION A65-81957

INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR TASK PERFORMANCE WITH OXYGEN DEFICIENCY A65-81968

HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION FROM RADIOACTIVE CLOUD, INHALATION, OR INGESTION OF RADIOACTIVE SUBSTANCES AHSB/S/-R-64 N65-25154

INHIBITION

INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH PARAMAGNETIC STRENGTH A65-80428

INHIBITION OF BACTERIAL, STAPHYLOCOCCUS AUREUS, SARCINA LUTEA, AND ESCHERICHIA COLI, GROWTH IN HOMOGENEOUS MAGNETIC FIELDS A65-80429

EFFERENT INHIBITION OF SINGLE ELECTRORETINOGRAM RESPONSES OF CONTRALATERAL EYE IN MAN A65-80780

VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY A65-81089

CHEMICAL INHIBITION OF PHOTOSYNTHETIC CARBON REDUCTION CYCLE IN CHLORELLA PYRENOIDOSA A65-81762

SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL INHIBITORY REFLEX IN CATS A65-82065

INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL ACTIVITY IN SENSORY PERCEPTION A65-82267

SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY AND LIPID PEROXIDATION A65-82358

INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO LIPID AND ACETYLCHOLINESTERASE A65-82360

INHIBITION OF OPERATING ABILITY BY TRAINING ON RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL DEVICE - INHIBITION TEST USING DESK CALCULATORS TR-11 N65-16700

OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE N65-18089

DIFFERENTIATED INHIBITION LIMITS BY GRADUAL INCREASE IN PHYSICAL STRENGTH OF INHIBITORY STIMULATION USING SALIVARY ALIMENTARY CONDITIONED REFLEX JPRS-29461 N65-20832

DISINHIBITION OF SUPRALIMINAL INHIBITION BY EXTERNAL STIMULI JPRS-29460 N65-21092

ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND DRUG ACTION ON BRAIN, LOCALIZATION OF CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND MODELING FUNCTIONS OF NERVOUS SYSTEM JPRS-30007 N65-24230

INHIBITION OF CONDITIONED REFLEX ACTIVITY OF CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND SOUND STIMULI JPRS-31467 N65-31531

INHIBITOR

MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN FOLLOWING PARTIAL INHIBITION WITH EGG WHITE, AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND DIISOPROPYLPHOSPHOROFUORIDATE A65-80431

INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR A65-81901

SUBJECT INDEX

ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN TRAPEZOID NUCLEUS OF RABBIT MEDULLA N65-23373

INJURY

SA BACK INJURY
SA BRAIN INJURY
SA BURN INJURY
SA CRASH INJURY
SA EJECTION INJURY
SA HEAT STROKE
SA NOISE INJURY
SA PARACHUTING INJURY
SA PATIENT

RETINITIS FROM OVEREXPOSURE TO SOLAR ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT A65-80267

GALVANIC SKIN RESPONSE OF DRIVERS AND RISK OF ACCIDENTS A65-80347

PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE A65-80352

PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND VARIOUS ORGANS IN RATS A65-80394

DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN TISSUES AFTER MECHANICAL INSULT IN RODENTS A65-80395

CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY PARTICLE AND RADIATION EXPOSURE SIMILAR TO POSSIBLE CONDITIONS DURING SPACE FLIGHT A65-80439

POSSIBLE INJURY FROM UHF ELECTROMAGNETIC FIELD ON ELECTROENCEPHALOGRAPH OF CORTEX IN RABBITS A65-80442

PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF EXTREME COLD DURING TOTAL BODY COOLING AND LOCAL COLD INJURY IN MAN A65-80498

DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION A65-80537

SAFETY HAZARDS OF MICROWAVE RADIATION - BIOLOGICAL EFFECTS AND PREVENTIVE MEASURES A65-80788

INTELLIGENCE, PERCEPTUAL INTEGRATION, AND MINOR HEMISPHERE SYNDROME A65-80807

HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSE TO SONIC BOOM A65-81062

FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS A65-81093

DERMATOLOGIC MANIFESTATIONS OF LASER RADIATION IN HUMANS A65-81097

FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND PRIMATE A65-81099

CASE HISTORIES OF INJURIES PRODUCED BY SEAT BELTS A65-81187

MECHANISM OF BLAST INJURY TO EAR A65-81201

SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES A65-81622

HELICOPTER ROTOR-BLADE INJURIES AND MEANS OF PREVENTION A65-81623

SUBJECT INDEX

INSTRUMENTATION

- NATURE AND BIOPHYSICAL EFFECTS OF ULTRASOUND
A65-81735
- INJURY IN FLYING PERSONNEL OF SPINAL COLUMN FROM
AVIATION SERVICE A65-81816
- ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN
DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE
FORCE AND SHORT DURATION A65-81837
- HEAD INJURIES AND TREATMENT AT CAPE KENNEDY
MISSILE BASE A65-82079
- NURSING CARE IN CASES OF HEAD INJURY OF PERSONNEL
AT CAPE KENNEDY MISSILE RANGE A65-82080
- NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH
ENERGY PROTONS IN DOGS A65-82241
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF
CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC
CENTERS IN RABBITS WITH INJURY AND ELECTRIC
STIMULATION A65-82354
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE A65-82360
- INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS A65-82360
AAL-TDR-63-39 N65-18971
- RADIATION INJURIES AND RESTORATIVE PROCESSES IN
CENTRAL NERVOUS SYSTEM OF MAMMALS A65-82360
JPRS-29288 N65-19665
- INORGANIC COMPOUND
TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY
VARIOUS ORGANIC AND INORGANIC COMPOUNDS A65-81019
- INPUT
ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024
PRINTING CARD PUNCH APPARATUS A65-81019
ISS-64/39 N65-19607
- INSECT
SA DROSOPHILA
- DIFFRACTION AND VISUAL ACUITY OF INSECTS A65-36091
- IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT
ON RADIATION AT VARIOUS RADIATION DOSE RATES A65-36091
N65-26384
- COLOR PERCEPTION IN BEES AND OTHER INSECTS
JPRS-31713 N65-32011
- X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO -
COCKROACH, BLABERUS CRANIIFER A65-36091
TID-21877 N65-36506
- INSECTICIDE
HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING N65-13635
- INSOLATION
INSULATION RESEARCH ON CONDITIONED REFLEX ACTIVITY
AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION
IN HUMAN BODY A65-36091
JPRS-30527 N65-27425
- INFLUENCE OF INSULATION OF COLLAR ZONE ON
CONDITIONED REFLEX ACTIVITY AND ARTERIAL
PRESSURE OF ANIMALS N65-27426
- INSULATION INFLUENCE ON RESPIRATION IN HUMAN BODY
N65-27427
- INSOMNIA
ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING
MACHINE A65-36091
NASA-TT-F-9743 N65-36895
- INSTRUCTION
SA TEACHING MACHINE
- EFFECTS OF INSTRUCTIONS ON WIRING TASK
- ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM
CONTROL PANEL A65-18289
- PROGRAMMED INSTRUCTION AND TEACHING MACHINES
OAR-64-10 N65-10496
- ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND
EDUCATION SYSTEMS A65-18289
AMRL-TR-64-89 N65-11082
- PROGRAMMED INSTRUCTION AND LOW ALTITUDE AERIAL
OBSERVATION A65-18289
HUMRRO-RR-14 N65-17468
- FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED
PROGRAMMED INSTRUCTION A65-18289
AMRL-TR-65-78 N65-30119
- INSTRUMENT
ELECTROMECHANICAL APPARATUS FOR ONE OR TWO
DIMENSIONAL PURSUIT TRACKING AND SENSORY FEEDBACK
A65-82343
- INSTRUMENT FOR RECORDING PULSE WAVES AND BLOOD
PRESSURE IN ANIMALS A65-82343
FTD-TT-63-1176/162 N65-11900
- SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS A65-82343
N65-13664
- PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT
FLYING A65-82343
N65-13673
- INSTRUMENT FLIGHT RULE /IFR/
PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY
INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD
FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL
VISUAL DISPLAY A65-82343
D228-421-019 N65-19440
- INSTRUMENT LANDING SYSTEM
BLIND FLYING REQUIREMENTS INDICATE NEED FOR
IMPROVED INSTRUMENT DISPLAYS A65-16441
- HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING A65-16441
AD-612726 N65-26118
- INSTRUMENTATION
SA AIRCRAFT INSTRUMENTATION
SA BIOINSTRUMENTATION
SA MICROINSTRUMENTATION
SA SPACECRAFT INSTRUMENTATION
- INSTRUMENTATION AND EXPERIMENTAL CONTROLS NEEDED
TO STUDY PHYSIOLOGICAL EFFECTS OF ATMOSPHERIC IONS
A65-80582
- NEW FORMS OF INSTRUMENTATION AND PRESENTATION OF
INFORMATION AIRCRAFT OPERATOR PERFORMANCE A65-81213
- HUMAN RESPONSE TO SOUND PRESSURE LEVELS FROM
ULTRASONIC DEVICES A65-81250
- APPARATUS FOR COLLECTING BLOOD SAMPLES FROM
SUBJECTS DURING CENTRIFUGAL ACCELERATION A65-81443
- SPACECRAFT, MISSIONS AND INSTRUMENTATION FOR SPACE
PROBES AND INTERPLANETARY EXPLORATION A65-82064
- FLIGHT CONTROL AND NAVIGATION INSTRUMENTS
N65-13743
- EXTRATERRESTRIAL LIFE DETECTION INSTRUMENTATION -
MULTIVATOR A65-81250
NASA-CR-51096 N65-16328
- ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND
INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF
HEMODYNAMIC AND METABOLIC PARAMETERS DURING
PROLONGED WEIGHTLESSNESS A65-81250
NASA-CR-63915 N65-29147
- ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS,
RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS

INSTRUMENTATION PROGRAM

SUBJECT INDEX

- TECHNOLOGY, AND INSTRUMENTATION
BNWL-36 N65-33022
- BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343
- BASIC STUDIES ON TACTILE PERCEPTION AND COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS, INSTRUMENTATION, AND EQUIPMENT
NASA-CR-322 N65-36764
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- INSTRUMENTATION PROGRAM**
DYNAMIC BIOASTRONAUTICAL INSTRUMENTATION FOR BIOCHEMICAL, BIODYNAMIC AND PSYCHOMOTOR SYSTEMS
ISA PAPER 16.1-3-64 A65-11184
- ELECTROGRAPHIC FORMATS TO MEET BIOPHYSICAL RESEARCH REQUIREMENTS - RELATIONSHIP AMONG BIOPHYSICAL INSTRUMENTATION PROBLEM, RESEARCH WORKER, AND DATA HANDLING AND INTERPRETATION
N65-28755
- INSTRUMENTATION PROGRAM AND DATA ACQUISITION DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28776
- INSULIN**
PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING AND INSULIN
A65-82168
- HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED TO SCHIZOPHRENIA PATIENTS
N65-17842
- INTEGRATOR**
SA DIGITAL INTEGRATOR
- ANALOG COMPUTER AS AREA INTEGRATOR FOR ELECTROCARDIOGRAM
REPT.-1 N65-10218
- INTELLIGENCE**
SA ARTIFICIAL INTELLIGENCE
- BINOCULAR RIVALRY RATE AS FUNCTION OF PHYSIOLOGICAL AROUSAL AND VERBAL INTELLIGENCE
A65-80566
- INTELLIGENCE, PERCEPTUAL INTEGRATION, AND MINOR HEMISPHERE SYNDROME
A65-80807
- INTERCEPTION**
TEAM TRAINING IN SIMULATED RADAR-CONTROL INTERCEPTION TASK
NAVTRADEVGEN-1327-1 N65-16173
- INTERFACE**
SA GAS-SOLID INTERFACE
- MULTICHANNEL TOPOSCOPE AS COMPUTER INTERFACE IN STUDY OF EEG
N65-28765
- INTERFERENCE**
PIGMENT INTERFERENCE IN CORTICOSTEROID MEASUREMENTS OF HUMAN BODY DURING TOTAL STARVATION
SAM-TDR-64-58 N65-11422
- INTERMITTENCY HYPOTHESIS**
REACTION TIME TO SECOND OF TWO STIMULI AS FUNCTION OF INTERSTIMULUS INTERVAL
A65-80851
- INTERNATIONAL COOPERATION**
INTERNATIONAL STANDARD REFERENCE ZERO FOR PURE-TONE AUDIOMETRY
A65-81484
- PROBLEMS ARISING IN INVESTIGATIONS OF FOREIGN AIRLINE DISASTERS
A65-81519
- ROLE OF U S AIR FORCE IN INTERNATIONAL MEDICINE
A65-81775
- INTERNATIONAL LAW**
INTERNATIONAL LAW REGARDING AIRCRAFT ACCIDENTS
A65-81516
- LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN EQUATORIAL AFRICA
A65-81517
- PROBLEMS ARISING IN INVESTIGATIONS OF FOREIGN AIRLINE DISASTERS
A65-81519
- INTERPLANETARY COMMUNICATION**
EXTRATERRESTRIAL LIFE CONSIDERING MOON AS HOSPITAL, MOONSHIPS TO MARS AND VENUS, DETECTING AND COMMUNICATING WITH EXTRATERRESTRIALS, ETC
A65-18236
- INTERPLANETARY FLIGHT**
INTERPLANETARY MISSION LIFE SUPPORT SYSTEM EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE CONDITIONING, WATER MANAGEMENT, TEMPERATURE CONTROL AND SYSTEM INTEGRATION
ASME PAPER 65-AV-33 A65-22954
- VOSTOK SATELLITE PHYSIOLOGICAL TELEMETRY DURING INTERPLANETARY FLIGHT, CONSIDERING BIOLOGICAL CONTROL AND INFORMATION TRANSMISSION TO EARTH AND MEDICAL INVESTIGATIONS BY CODING
A65-32301
- INTERPLANETARY VOYAGES - REASONS FOR AND NECESSITY OF MANNED INTERPLANETARY FLIGHT
A65-80296
- MEDICAL SUPPORT OF PROLONGED INTERPLANETARY MISSIONS
A65-80932
- SPACECRAFT, MISSIONS AND INSTRUMENTATION FOR SPACE PROBES AND INTERPLANETARY EXPLORATION
A65-82064
- WEIGHTLESSNESS THEORY FOR LUNAR AND INTERPLANETARY FLIGHTS
N65-18786
- CLINICOPHYSIOLOGICAL ASPECTS OF MEDICAL PROGRAM AND SPACECREW REACTION STUDIED BY PHYSICIAN ON INTERPLANETARY FLIGHT AND SEISMOCARDIOLOGICAL DATA
JPRS-29795 N65-23422
- CLINICAL ASPECTS OF MEDICAL PROGRAM FOR INTERPLANETARY FLIGHT WITH PHYSICIAN IN SPACECREW
N65-23423
- EXTRATERRESTRIAL SPACE CABIN ENVIRONMENT FOR EXTENDED SOLAR SYSTEM TRAVEL
FTD-TT-65-72/162 N65-27586
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN
NASA-SP-7011/11/ N65-29648
- INTERPLANETARY SPACECRAFT**
CREW MANAGEMENT REQUIREMENTS FOR OPERATING PROTOTYPE OF INTEGRATED LIFE SUPPORT SYSTEM FOR LONG RANGE SPACE FLIGHT
SAE PAPER 908C A65-12817
- ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS - MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING SOLIDS TO SMALL PARTICLES
NASA-CR-64834 N65-33537
- INTERSTELLAR MATERIAL**
INTERSTELLAR MATTER DEPOSITED ON EARTH SURFACE AS RELATED TO PLANT AND ANIMAL LIFE
A65-81967
- INTESTINE**
SA ABDOMEN
SA DIGESTIVE SYSTEM
SA GASTROINTESTINAL SYSTEM
SA ULCER
- EFFECT OF LARGE DOSE OF RESERPINE GIVEN INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-GLUCOSE /IN VITRO/ IN HAMSTERS
A65-17372

SUBJECT INDEX

IONIZATION

- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION
IN ACTIVE AND HIBERNATING, IRRADIATED AND
NONIRRADIATED GROUND SQUIRREL A65-20020
- INCREASE OF PERIODIC ACID SCHIFF REAGENT
POSITIVE GRANULES IN FOOD DEPRIVED MOUSE
INTESTINAL EPITHELIUM DURING GLUCOSE ABSORPTION
A65-80013
- PACINIAN CORPUSCLE OF INTESTINE AND MESENTERY OF
CAT AS AFFECTED BY ACOUSTIC WAVES A65-80152
- REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE A65-80827
- INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND
ELDERLY SUBJECTS A65-81548
- SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL
INHIBITORY REFLEX IN CATS A65-82065
- VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL
INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF
AUTONOMIC NERVES AND SPINAL CORD N65-13677
- EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM
STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780
- EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG N65-35892
- INTRACRANIAL CAVITY**
VISUALLY-EVOKED POTENTIALS IN MAN RECORDED
TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE
SUFFERING FROM CEREBRAL DISEASES - CENTRAL
NERVOUS SYSTEM N65-28751
- INTRACRANIAL PRESSURE**
LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS A65-80086
- ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS AS AFFECTED
BY ACUTE INCREASE IN INTRACRANIAL PRESSURE A65-82042
- INTRAOCULAR PRESSURE**
PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA A65-80385
- EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL
PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR
TENSION IN DOGS AND CATS A65-82271
- RELATION BETWEEN SYSTEMIC BLOOD PRESSURE AND
INTRAOCULAR PRESSURE JPRS-29756 N65-22112
- RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND
EXTERNAL PRESSURE IN RABBITS
FTD-TT-65-307/1&2&4 N65-30927
- BIOMECHANICS OF CORNEA - APPLICATION TO
INTRAOCULAR PRESSURE MEASUREMENT
NASA-CR-67160 N65-34461
- IODIDE**
SA SODIUM IODIDE
- CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN
BIOLOGICAL FLUIDS
KR-80 N65-30572
- IODINE 125**
MEASURING CARDIAC OUTPUT OF EXERCISING SUBJECTS
WITH SMALL, LIGHTWEIGHT PRECORDIAL COUNTER FOR
1125 ALBUMEN A65-82171
- IODINE 131**
EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID
ACTIVITY AND IODINE 131 METABOLISM IN MESOCRICETUS
AURATUS A65-81594
- RADIATION HAZARD TO MAN FROM IODINE 131
UR-653 N65-12340
- HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933
- SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131
AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES
REPT.-143 N65-23307
- METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY
CHLORELLA VULGARIS
REPT.-132 N65-23645
- BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF
RADIOIODINE ISOTOPE DOSAGE TO THYROID
UCRL-12492 N65-24727
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS -
RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
AEC-TR-6550 N65-27771
- STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- ION**
SA CESIUM ION
SA FREE RADICAL
- NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER A65-80188
- EFFECT OF POTASSIUM ION CONCENTRATION ON
ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES
OF GRAPE SNAIL N65-32661
- BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
EFFECTS IN ANIMALS AND MAN N65-34586
- ION CURRENT**
ELECTROCHEMICAL CONCENTRATION OF CARBON DIOXIDE
FROM CLOSED ATMOSPHERE BY CARBONATION CELL
TRANSFER OF GAS IONS BETWEEN ELECTRODES
AICE PREPRINT 54F A65-15396
- ION DENSITY**
EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION,
RATE OF ION FORMATION, AND DISAPPEARANCE
CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION
OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066
- ION EXCHANGE**
COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS
BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT
VARIOUS OXYGEN PRESSURES N65-17816
- PURIFICATION OF WATER CONTAMINATED WITH
BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE
POLYMERS N65-28296
- ION EXCHANGE MEMBRANE**
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON
A65-14831
- ION PUMP**
DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153
- IONIC REACTION**
BIOLOGICAL EFFECTS OF ATMOSPHERIC IONS WITH
ATTENTION TO EXPERIMENTAL CONTROLS AND
INSTRUMENTATION A65-18432
- IONIZATION**
SA ATMOSPHERIC IONIZATION
SA EXCITATION
- PROPHYLACTIC EFFECT OF AEROIONIZATION IN ACUTE
RADIATION SICKNESS A65-80800
- CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457
- THEORETICALLY CALCULATED VALUES OF IONIZATION

- INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND
COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3 N65-29924
- RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL
METHODS OF COMPUTING PRIMARY IONIZATION DOSES -
RADIATION DOSE CALCULATIONS N65-34633
- IONIZATION CHAMBER
RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS A65-30674
- IONIZED GAS
BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES
AS AFFECTED BY BREATHING IONIZED AIR A65-82018
- IONIZING RADIATION
IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION
IN ESCHERICHIA COLI CELLS AND RNA MESSENGER
DECAY A65-10633
- OXYGEN EFFECT ON RADIATION RESISTANCE OF MICE
EXPOSED TO IONIZING DOSES IN CONTROLLED
ENVIRONMENT A65-14225
- IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- AEROSPACE MEDICINE REPORT ON RADIATION BIOLOGY
AND SPACE ENVIRONMENTAL PARAMETERS IN MANNED
SPACECRAFT DESIGN AND OPERATIONS A65-18633
- MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION A65-21945
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098
- CHEMICAL STRUCTURE AND EXTENT OF PROTECTION
AGAINST IONIZING RADIATION GIVEN BY ALCOHOLS TO
BACTERIA, SALMONELLA TYPHIMURIUM LT2 A65-80042
- COMBINED EFFECT OF VIBRATION AND IONIZING
RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW
CELLS IN MOUSE A65-80043
- AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION A65-80055
- RADIATION RESISTANCE OF MICE AS AFFECTED BY
EXERCISE AND OXYGEN BREATHING A65-80132
- MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL
CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND
CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY
TRANSFER A65-80162
- ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY
IRRADIATION IN MAN A65-80167
- INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- RESPONSE OF VESTIBULAR APPARATUS TO IONIZING
RADIATION AND CORIOLIS ACCELERATION IN RABBITS
A65-80536
- PHYSIOLOGY OF AUTONOMIC NERVOUS SYSTEM AND
CEREBELLUM A65-80646
- ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL
DOSES OF IONIZING RADIATION A65-80648
- RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST
AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO
IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE
AND AMYTAL A65-80649
- REACTION OF AUTONOMIC CENTERS OF HYPOTHALAMUS AND
CEREBELLUM TO IONIZING RADIATION A65-80650
- REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE A65-80827
- BIOPHYSICS OF RELATIVE BIOLOGICAL EFFECTIVENESS OF
VARIOUS TYPES OF RADIATION A65-80841
- IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT,
SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS A65-80979
- DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER
IRRADIATION A65-80985
- PRINCIPLES OF RADIATION PROTECTION A65-81047
- EFFECT OF NATURAL IONIZING RADIATION ON
GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM A65-81254
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT A65-81325
- SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN
RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE
IRRADIATION A65-81453
- BIOLOGICAL EFFECT OF 660 MEV PROTONS AND C60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
- DISTRIBUTION OF PSEUDOURACIL AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE A65-81675
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY A65-81989
- EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE
TREE /EVOKYUMUS EUROPAEA/ CARRIED ON BOARD OF
SPACECRAFT VOSTOK-5 A65-81999
- DEHYDROGENASE ACTIVITY OF TISSUES DURING EXPOSURE
TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN
ALBINO RATS A65-82027
- CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE
TO IONIZING RADIATION AND HYPOTHERMIA IN RATS
A65-82028
- DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS A65-82048
- PATHOLOGICAL CHANGES OF SKIN IN GUINEA PIGS AFTER
EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA A65-82049
- CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON
GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF
TRITIUM DECAY N65-10112
- IONIZING RADIATION EFFECTS ON GENETIC
TRANSCRIPTION N65-10113
- CHEMICAL ANTIRADIATION PROTECTION AND HYGIENIC
STANDARDIZATION OF IONIZING RADIATION N65-10125
- EFFECTS FROM CHRONIC EXPOSURE TO LOW LEVEL
IONIZING RADIATION ON DESERT ECOLOGICAL SYSTEM
UCLA-12-532 N65-10313
- ALTERATIONS IN RED BLOOD CORPUSCLES FROM CHRONIC
ACTION ON HUMAN ORGANISM OF SMALL DOSES OF
IONIZING RADIATION

SUBJECT INDEX

IONIZING RADIATION

- FTD-TT-63-784/1 N65-10982
- EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE IN TISSUE AND EARLY RADIATION DAMAGE TO HISTOHEMATIC BARRIERS
FTD-TT-64-644/1 N65-11100
- EFFECT OF IONIZING IRRADIATION ON VESTIBULAR APPARATUS N65-13757
- CHANGES ARISING IN PLANTS AFTER EXPOSURE TO IONIZING RADIATION N65-15678
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION - LINEAR ENERGY TRANSFER SPECTRUM OF HETEROGENEOUS PROTON BEAM
NASA-CR-51826 N65-16483
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION IN SPACE
NASA-CR-50471 N65-16484
- IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION
NASA-CR-52231 N65-17068
- IONIZING RADIATION FOR FOOD PRESERVATION - PASTEURIZATION
CONF-641002 N65-18321
- THIOL PRETREATMENT AND BONE MARROW TRANSPLANT EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387
- IONIZING RADIATION IN SUPERSONIC TRANSPORT FLIGHTS
NASA-TM-X-56122 N65-18921
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156 N65-19645
- SURVEY OF DRUGS FOR PROTECTION FROM IONIZING RADIATION N65-20138
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER REGENERATION, BONE MARROW TRANSPLANTATION IN RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250 N65-20139
- EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF NUCLEI IN HYPOTHALAMIC AREA OF RABBITS
N65-20141
- USE OF FREE PHAGE AND SYSTEM PHAGE-BACTERIUM IN STUDYING BIOLOGICAL EFFECT OF IONIZING RADIATION
JPRS-29606 N65-21570
- CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS
UCLA-12-551 N65-21823
- EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS
N65-22304
- REPARATIVE REGENERATION OF VARIOUS TISSUES OF ANIMALS UNDER EFFECT OF IONIZING RADIATION
JPRS-29904 N65-23052
- RADIATION DAMAGE AND EFFECTS IN INTRACELLULAR COMPONENTS, DEOXYRIBONUCLEIC ACID SYNTHESIS, IONIZING RADIATION, AND RADIATION PROTECTION
FTD-TT-64-515/1&2 N65-23450
- IONIZING RADIATION EFFECT ON CELLULAR PROTEIN SYNTHESIS N65-23455
- IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN KIDNEY CELLS N65-23464
- INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR SYSTEMS TO IONIZING RADIATION N65-23467
- INFLUENCE OF IONIZING RADIATION ON ORIGIN AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY
JPRS-30161 N65-24315
- IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- RADIATION PROTECTION AND GENETICS, AND RECOVERY PROCESSES DURING POST-RADIATION PERIOD - RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON ANIMALS, INSECTS, AND YEAST CELLS
AEC-TR-6404 N65-26378
- MELTING POINT CURVES FOR DETERMINING EFFECTS OF IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS IN DNA MACROMOLECULE N65-26379
- ELECTRICAL PARAMETERS MEASURED FOR DETERMINING INFLUENCE OF IONIZING RADIATION ON SUBMICROSCOPIC STRUCTURE OF STRIATED FROG MUSCLES N65-26382
- DOG RECOVERY FROM RADIATION SICKNESS - STATE OF MELOPOIESIS IN DOGS UNDER REPEATED IONIZING RADIATION N65-26389
- MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL BLOOD VESSELS UPON EXPOSURE TO IONIZING RADIATION N65-26394
- INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
N65-26396
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND X-RAY DIAGNOSIS IN U.S.S.R.
JPRS-31300 N65-30215
- IONIZING RADIATION DOSIMETRY RESEARCH AND DEVICE DEVELOPMENT N65-30217
- IONIZING RADIATION EFFECTS ON MAN AND ANIMALS - RADIOBIOLOGY AND PATHOLOGY N65-30218
- SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING RADIATION, RADIAL ACCELERATION, VERTICAL VIBRATION, AND PROLONGED ACCELERATION ON PHYSIOLOGICAL RESPONSE IN ANIMALS
NASA-TT-F-354 N65-31375
- MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO COMBINED EFFECTS OF IONIZING RADIATION AND NONRADIATION FACTORS N65-31376
- EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE OF SPINAL REFLEX ARC N65-31383
- EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE MECHANISM OF CYSTEINE N65-32652
- IONIZING RADIATION SOURCE HANDLING REGULATIONS IN YUGOSLAVIA
JPRS-31993 N65-34102
- FUNCTIONAL STATE OF VESTIBULAR ANALYZER INVESTIGATED BY CALORIC AND ROTATION TESTS USING SOURCES OF IONIZING RADIATION
JPRS-32151 N65-34676
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION N65-34943
- ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317
- TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524

IRON

IRON THERAPY IN ACUTE CARBON MONOXIDE POISONING
A65-80284

INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW
CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE
HYPOXIA A65-80835

IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND
EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE
OXYGEN TENSION
JPRS-30818 N65-27028

CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL
PROCESS IN ANAEROBIC SOIL
FD3-3957/T-166-/ N65-32693

CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL
TID-20741 N65-34316

IRON METEORITE

MICROBIOLOGICAL ANALYSIS OF IRON AND STONE
METEORITES, NOTING ABILITY OF BACTERIA TO
PENETRATE INTO CENTRAL REGIONS A65-30687

IRON OXIDE

LIMONITE ENVIRONMENT MAY PROVIDE ECOLOGICAL BASIS
FOR RESPIRATORY AND PHOTOSYNTHETIC MARTIAN
ORGANISMS A65-30684

IRRADIATION

SA PROTON IRRADIATION
SA X-RAY IRRADIATION

LIVER REGENERATION DETERMINATION IN WHITE MICE
AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/18264 N65-10285

ANIMAL STUDIES ON RADIATION EFFECTS, IRRADIATION
EXPOSURE, AND USE OF THERAPEUTIC COMPOUNDS AS
PROTECTIVE AGENTS AGAINST INJURY
AD-607952 N65-11098

PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING
HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE
ELECTRIC CONDUCTIVITY
JPRS-28782 N65-17025

POST FERTILIZATION RECOVERY PROCESS FOR IRRADIATED
EGGS AND SPERM OF SEA URCHIN N65-18082

IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND
SHELF LIFE
UCD-34P80-2 N65-18999

RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282 N65-19472

IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
COD-1283-12 N65-19822

ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE
OF IRRADIATED ANIMALS - ANIMAL STUDY
N65-20133

RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600 N65-22094

CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL
YEAST THROUGH COBALT 60 IRRADIATION
SGAE-BL-12/1964 N65-22964

FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION
OF AIR AND FREQUENCY OF AIR EXCHANGE IN
IRRADIATION CHAMBERS N65-24941

GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION
N65-25658

THERMOLUMINESCENT DOSIMETRY USED TO MEASURE

TOTAL BODY IRRADIATION N65-25665

WHOLE-BODY IRRADIATION SCANNER SYSTEM USING
THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666

ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873

RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN
AND BONE MARROW AFTER TOTAL BODY IRRADIATION -
VITRO ASSAY SYSTEM
SAM-TR-65-14 N65-26240

RELATIVE BIOLOGICAL EFFECTIVENESS OF FAST NEUTRONS
FOR STUDYING IRRADIATION DAMAGE OF CELLS
N65-26381

TIME-EFFECT CURVES FOR IRRADIATION OF DORMANT PEA
SEEDS WITH VARIOUS MOISTURE CONTENTS FOR
DETERMINING AMOUNT OF DAMAGE N65-26385

REALIZATION PERIOD FOR POTENTIAL RADIATION DAMAGE
IN DIPLOID YEAST CELLS N65-26387

CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS
AND RELATION BETWEEN IRRADIATION DOSAGE AND
FILTRATION OF PRIMARY BEAM
JPRS-30672 N65-26803

FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND
CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN
IRRADIATION DOSAGE AND FILTRATION OF PRIMARY
BEAM N65-26805

PASTEURIZATION OF FRUITS BY IRRADIATION FOR
REDUCING SPOILAGE AND EXTENDING MARKET LIFE -
FOOD TECHNOLOGY
TID-21710 N65-27607

EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON
MORPHOLOGICAL COMPOSITION AND PHYSICO-CHEMICAL
PROPERTIES OF ANIMAL BLOOD N65-28701

MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM
AFTER EXPOSURE TO ULTRASONIC IRRADIATION -
ANIMAL STUDY N65-28702

CLIMATIC EFFECTS ON CHRONIC MICROWAVE IRRADIATION
JPRS-31280 N65-29246

IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS,
OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY,
MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND
SPECTROPHOTOMETRY
EUR-2402.F N65-29855

CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF
NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN
CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION
TID-21440 N65-30175

COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR
DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE
PHANTOM FOR RADIATION EXPERIMENTS INVOLVING
SHEEP
USNRDL-TR-842 N65-30503

EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887

EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON
PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF
SERUM ALBUMIN N65-31040

EFFECT OF PENETRATING RADIATION ON VESTIBULAR
FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE
WHOLE-BODY GAMMA IRRADIATION N65-31381

COMBINED EFFECTS OF VIBRATION AND ACUTE
IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA
PIGS N65-31382

MECHANISM OF COMBINED EFFECT OF VIBRATION AND
IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL
TISSUES OF RATS N65-31387

SUBJECT INDEX

KIDNEY

ISCHEMIA
 EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND VASODILATORS IN REACTIVE HYPEREMIA IN DOGS A65-81450
 SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES A65-81622
 PREVENTION OF HYPERTENSION CAUSED BY INDUCED KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOG A65-81988
 ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA A65-82052

ISOLATION
 SA SOCIAL ISOLATION
 CIRCADIAN RHYTHMS DURING AND AFTER THREE MONTHS IN SOLITUDE UNDERGROUND A65-80190
 COMPARATIVE HUMAN BEHAVIOR OF DIFFERENT SIZE GROUPS OF ADULTS IN DESERT ENVIRONMENT UNDER VARYING LIVING CONDITIONS A65-80966
 SOME BEHAVIORAL FACTORS AFFECTING ASTRONAUTS A65-81253
 FUNCTIONAL CHANGES IN MAN DURING PROLONGED ISOLATION N65-13667
 HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED SENSORY STIMULATION JPRS-28929 N65-17304
 CHANGES OF HIGHER NERVOUS ACTIVITY AND VEGETATIVE REACTIONS DURING LONG EXPOSURE TO RELATIVE ADYNAMIA AND ISOLATION FTD-TT-64-635/1&2&4 N65-19197

ISOTOPE
 SA RADIOACTIVE ISOTOPE
 SA TRITIUM
 THORIUM DAUGHTER ISOTOPE ACTIVITIES IN THOROTRAST PATIENTS N65-18087

ITALY
 TUBERCULOSIS IN ITALIAN AIR FORCE PERSONNEL - MEDICO-LEGAL SURVEY A65-80214
 STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR DISQUALIFICATION OF PILOT CANDIDATES IN THE ITALIAN AIR FORCE A65-80216

J

JET AIRCRAFT
 PREDICTIVE INFORMATION INSTRUMENTATION AS AID TO JET AIRCRAFT TAKEOFFS A65-15434
 OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF MECHANICS WORKING ON JET AIRCRAFT BASES A65-80125
 LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION INFORMATION A65-81728
 PROBLEMS OF NOISE HAZARD DURING SPACE FLIGHT AND IN JET PLANES A65-81925
 JET TRANSPORT USE EFFECT ON AIRLINE LANDING ACCIDENTS A65-82000
 RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT FOR F-106 JET AIRCRAFT N65-29761

JET EXHAUST
 SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION NASA-TM-X-127 N65-28135

JET FLIGHT
 PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT BETWEEN OKLAHOMA CITY AND TOKYO

AM-65-16 N65-34020

JET FUEL
 ISOLATION OF MICROORGANISMS, CAPABLE OF UTILIZING JP-4 JET-FUEL AS SOLE CARBON SOURCE, FROM FUEL STORAGE TANKS A65-82096

JET NOISE
 PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE BACKGROUND A65-29976

JOINT /BIOL/ SA BONE
 MUSCLE CRAMPS INVESTIGATED IN EIGHTEEN YEAR OLD AVIATION CADETS AND RELATION TO JOINT TRAUMA A65-80978
 IMPORTANCE OF OSTEOARTICULAR DISEASE IN AVIATION MEDICINE A65-81829

JUNCTION DIODE
 SILICON DIODE CIRCUIT FOR ASSESSING THERMAL ENVIRONMENT BY CONTINUOUS MEASUREMENT OF WET BULB GLOBE THERMOMETER / WBGT/ INDEX A65-21485

JUPITER /PLANET/
 SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER A65-81287

JUPITER ATMOSPHERE
 TERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON SPECIMENS OF EUPHORBIA XYLOPHYLLOIDES IN AMMONIA METHANE HYDROGEN-RICH ATMOSPHERES A65-23486

K

KEROSENE
 SA PETROLEUM
 SYNTHETIC FOOD PRODUCED FROM CULTURE OF MICROORGANISMS ON KEROSENE A65-81396

KEROSENE POISONING
 CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF KEROSENE POISONING A65-80531
 EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS A65-81202

KETONE
 VARIATION OF PLASMA KETONES AND FREE FATTY ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301
 URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH FAT DIETS, AND KETONE INFUSIONS A65-80515
 KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD PLASMA DURING EARLY PERIOD OF STARVATION IN MAN A65-82249

KIDNEY
 SA RENAL FUNCTION
 SA URINE
 OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG BREATHING 100 PERCENT OXYGEN A65-80072
 MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE AS RELATED TO TISSUE TYPE AND AGE AND FIELD STRENGTH AND TEMPERATURE A65-80426
 PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING HYPoxic LEVEL IN RAT WITH SPECIAL REFERENCE TO JUXTAGLOMERULAR CELLS OF KIDNEY A65-80559
 ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL DOSES OF IONIZING RADIATION A65-80648

L

- RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN DOG DURING CHANGE FROM SUPINE TO ERECT POSITION AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING WEIGHTLESSNESS SIMULATION A65-82115
- RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC ACID A65-82177
- ABSCOPAL EFFECTS OF X-RAY IRRADIATION ON COMPENSATORY HYPERTROPHY OF RAT KIDNEY USNRDL-TR-783 N65-11665
- INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE CHANGES IN RENAL TUBULES AS MORPHOLOGICAL CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY LATERAL ACCELERATIONS N65-13716
- URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH MOUNTAIN CONDITIONS N65-17823
- PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS NASA-TT-F-9340 N65-22622
- KIDNEY DISEASE**
- CASE HISTORY OF CARBON TETRACHLORIDE POISONING MANIFESTING AS KIDNEY DISEASE A65-82034
- ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY DISEASE NASA-TT-F-9247 N65-16304
- KINEMATICS**
- SA BODY KINEMATICS**
- CONTROL OF BODY MOVEMENTS BY SPINAL CORD A65-80830
- STUDY OF COMPLEX MOVEMENTS IN HIGHLY ORGANIZED MAMMAL SYSTEMS A65-80831
- BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN WEIGHTLESSNESS DURING MANNED SPACE FLIGHT A65-80920
- KINESTHESIS**
- BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC PERCEPTION OF VERTICALITY A65-80018
- MODIFICATION IN VISUAL AND KINESTHETIC AFTEREFFECT DURING SENSORY DEPRIVATION A65-80084
- STUDY OF MOVEMENT COORDINATION IN HANDWRITING DURING SPACE FLIGHT A65-80984
- ACCURACY OF ACTIVE AND POSITIVE POSITIONING OF LEG ON BASIS OF KINESTHETIC CUES A65-81992
- APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT VEHICLE NASA-CR-61079 N65-29966
- HUMAN ELECTROENCEPHALOGRAM AND ELECTRODERMAL RESPONSE CHANGES WITH TEMPORARY CONNECTION BETWEEN MOTOR AND VISUAL ANALYZERS IN KINESTHETIC AND PHOTIC STIMULATION PAIRING FTD-TT-65-434/162 N65-30015
- KINETICS**
- SA CHEMICAL KINETICS**
- SA ELECTROKINETICS**
- KINETICS OF REACTION OF HUMAN HEMOGLOBIN WITH CARBON MONOXIDE A65-80279
- KINETIC MODELS OF PHYSIOLOGICAL SYSTEMS N65-16627
- DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS ORGANS N65-26393

LABORATORY

SA ENVIRONMENTAL LABORATORY
SA HUMAN FACTOR LABORATORY
SA MANNED ORBITAL LABORATORY /MOL/
SA MANNED ORBITAL RESEARCH LABORATORY /MORL/
SA SPACE LABORATORY

BIOLOGICAL AND MEDICAL EXPERIMENTS AND RESEARCH REPORTS ON LABORATORY ANIMAL STUDIES
ANL-6906 N65-11931

EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS IN ISOTOPE LABORATORIES IN POLAND
CLOR-34 N65-22501

NATURAL BACKGROUND AND RADIATION LEVELS ATTRIBUTABLE TO LABORATORY OPERATIONS DURING 1963
BNL-915/T-376/ N65-34205

LABORATORY APPARATUS

EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995

AUTOMATED LABORATORY APPARATUS FOR STUDY OF ANIMAL CONDITIONED REFLEX
JPRS-30962 N65-28133

LABYRINTH

ACCELERATION REGISTOGRAPHY - A NEW METHOD OF EXAMINATIONS CONCERNED WITH THE LABYRINTHINE RIGHTING REFLEX A65-81347

MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS AND CORIOLIS ACCELERATION A65-81434

EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER CEREBELLAR LOBES IN CATS A65-81544

MODIFICATIONS OF CONTINUING AMPULLAR POTENTIALS INDUCED BY STIMULATION OF EFFERENT VESTIBULAR SYSTEM A65-81615

BARANY CHAIR TEST OF LABYRINTH FUNCTION AS CRITERION FOR PILOT SELECTION A65-81808

BALANCE AND HEARING INTERPRETED IN VIEW OF ANATOMY OF LABYRINTH A65-82138

GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS
NASA-CR-59548 N65-11396

MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED TO ACCELERATIONS OF VARYING INTENSITY, DURATION, AND DIRECTION N65-13706

COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL LABYRINTHINE DEFECTS - AEROSPACE MEDICINE
NASA-CR-67520 N65-36432

LABYRINTHECTOMY

APOMORPHINE ADMINISTERED TO LABYRINTHECTOMIZED DOGS FOR DETERMINING ROLE OF EXTRALABYRINTHINE INFLUENCES IN PATHOGENESIS OF MOTION SICKNESS
JPRS-30843 N65-27115

LACTATE

LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA A65-80073

PLASMA FREE FATTY ACID TURNOVER IN DOG DURING EXERCISE AS RELATED TO PHYSICAL CONDITION AND BLOOD LACTATE A65-80680

HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS A65-81135

ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM AND ON EXCESS LACTATE IN DOG A65-81747

SUBJECT INDEX

LAUNCHING FACILITY

- RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS
LACTATE IN MAN WITH PHYSICAL EXERCISE
A65-81904
- EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE
A65-82166
- LACTIC ACID
INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION
A65-80198
- BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS,
AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN
DOG DURING EXTRACORPOREAL CIRCULATION
A65-80578
- BLOOD LACTIC ACID IN BENGALI MALES LIVING IN
TROPICAL CLIMATE - EFFECT OF PHYSICAL EXERCISE
A65-80973
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA
A65-81843
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS
DURING HYPOXIA - ANIMAL STUDY
SAM-TR-64-78
N65-34068
- LAMINAR FLOW
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47
N65-19646
- LAND
S EARTH
S GROUND
- LANDING
SA AIRCRAFT LANDING
SA APPROACH AND LANDING
SA LUNAR LANDING
SA PLANETARY LANDING
SA SOFT LANDING
SA WATER LANDING
- EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON
LAND OR WATER ON ANIMAL ORGANISM
A65-80440
- LANDING LOAD
LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM
N65-16405
- LANDING SIMULATION
ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL
SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE
LANDING IMPACT
A65-10732
- COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN
LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV
SCREEN SIMULATING VISUAL APPROACH AND LANDING
A65-26416
- PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN
LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT
POSTURAL POSITIONS
A65-80129
- FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993
N65-35060
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVCE-1432-1-S1
N65-35542
- LANDING SYSTEM
SA INSTRUMENT LANDING SYSTEM
- INFORMATION VALUE OF VARIOUS PATTERNS OF LANDING
STRIP LIGHTS
A65-81111
- LANGUAGE
SA SPEECH
- RELATIONSHIP OF SYNTACTIC LANGUAGE BEHAVIOR TO
GRAMMAR AND SEMANTICS OF WORD ASSOCIATION
- RADC-TDR-64-146
N65-15779
- LARYNX
X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX
CANCER IN U.S.S.R.
N65-30219
- RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60
GAMMA RADIATION AND X-RAYS ON CARTILAGE OF
YOUNG RABBIT LARYNX
ANL-TRANS-121
N65-32833
- LASER
SA PULSED LASER
SA RUBY LASER
- BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL
OF RADIATION HAZARDS
A65-81091
- INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093
- ANALYSIS OF FACTORS OF LASER RADIATION PRODUCING
RETINAL DAMAGE BY THERMAL INJURY
A65-81094
- ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS
A65-81096
- DERMATOLOGIC MANIFESTATIONS OF LASER RADIATION IN
HUMANS
A65-81097
- EFFECT OF LASER RADIATION ON TYROSINASE ACTIVITY
IN HUMAN SKIN
A65-81098
- FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE
A65-81099
- BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY
RULES FOR PERSONNEL PROTECTION
NAVTRADEVCE-1H-15
N65-14941
- LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- LASER OUTPUT
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER
RADIATION HUMAN EYE CAN ABSORB
A65-12397
- DETERMINATION OF ATTENUATING FILTERS REQUIRED FOR
EYE PROTECTION AGAINST LASER RADIATION
A65-22614
- LASV
S LOW ALTITUDE SUPERSONIC VEHICLE /LASV/
- LATERAL STABILITY
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239
N65-27946
- LATERALITY
PURSUIT TRACKING PERFORMANCE RELATED TO
CONTROL-DISPLAY COMPATIBILITY, HANDEDNESS, SEX AND
PROBABILITY
A65-82111
- LATITUDE
LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- LAUNCH VEHICLE
FEASIBILITY OF MANNED PARTICIPATION IN CONTROL
OF LARGE LAUNCH VEHICLE
NASA-TN-D-2807
N65-23166
- GEMINI LAUNCH VEHICLE PILOT SAFETY PROGRAM
NASA-TN-X-56714
N65-31008
- LAUNCHING FACILITY
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER

- SAM-TDR-64-62 N65-17438
- LAW**
- S INTERNATIONAL LAW
 - S REGULATION
 - S WEBER-FECHNER LAW
- LEAD**
- ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE POISONED RABBITS A65-80003
- LEAD POISONING**
- LEAD POISONING - CHANGES IN MORPHOLOGY AND METABOLISM OF ERYTHROCYTE OF HUMAN A65-80340
 - BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD POISONING OF RABBITS A65-81255
 - BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL LEAD POISONING IN RABBITS A65-81256
 - LEAD EXCRETION AND HEALTH OF ANTIKNOCK BLENTERS A65-81482
 - FACTS ABOUT LEAD POISONING AND INDUSTRIAL HYGIENE A65-81545
 - METHOD FOR DETERMINATION OF BLOOD DEHYDRASE ACTIVITY IN LEAD POISONING A65-81621
 - TETRAETHYL LEAD TOXIC EFFECTS ON WATER BALANCE A65-81745
 - REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY REACTION OF SULFUR IN SATAL DRUG CONTAINING GARLIC AND LEAD POWDER JPRS-30863 N65-27037
- LEADERSHIP**
- DECISION-MAKING SUCCESS RELATED TO LEADERSHIP IN SMALL GROUPS - MATHEMATICAL APPROACH A65-80790
 - LEADERSHIP MODEL PROPOSED WHICH IS BASED ON GROUP-TASK SITUATION A65-81083
 - WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND LEADERSHIP A65-81126
 - CROSS GROUP STABILITY OF PEER RATINGS OF LEADERSHIP POTENTIAL A65-81589
- LEARNING**
- SA CONDITIONED RESPONSE
 - SA MACHINE LEARNING
 - SA MEMORY
 - SA TRAINING
 - LEARNING SET PERFORMANCE OF SQUIRREL MONKEYS AFTER RAPID DECOMPRESSION TO VACUUM, NOTING PHYSICAL EFFECT A65-16554
 - ADVANCED STATE OF SOVIET TRAINING THEORIES INDICATED BY SIMULATION DEVICES AND TECHNIQUES EMPLOYED IN THEIR MANNED SPACE PROGRAM AIAA PAPER 65-276 A65-22260
 - HUMAN HEART RATE CONDITIONING WITH NOISE AS UNCONDITIONED STIMULUS A65-80094
 - POWER FUNCTIONS APPLIED TO PERCEPTUAL-MOTOR LEARNING A65-80244
 - AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR LEARNING A65-80262
 - SIGNAL DETECTABILITY IN VIGILANCE TASK AS FUNCTION OF TRUE AND/OR FALSE KNOWLEDGE OF RESULTS A65-80300
 - REACTION TIME OF FINGER AS FUNCTION OF RESPONSE ALTERNATIVES IN TWO-CHOICE REACTION TIME TASK A65-80615
- IRRELEVANT INFORMATION - EFFECT ON LEARNING COMPLEX AUDITORY DISCRIMINATION TASK A65-80852
- LEARNING AND RETENTION IN ESTIMATION OF SHORT TIME INTERVALS A65-81006
- SPECIFIC MOTOR RESPONSE DURING SLEEP TO SLEEP-ADMINISTERED MEANINGFUL SUGGESTION A65-81012
- REACTION TIME DECREASE WITH KNOWLEDGE OF RESULTS A65-81106
- KNOWLEDGE OF RESULTS IN TIME ESTIMATING TASK A65-81319
- THEORY OF SIGNAL DETECTABILITY AND PSYCHOPHYSICAL LEARNING A65-81427
- COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT STAGES OF LEARNING COMPLEX TRACKING TASK A65-81661
- ISOLATION EFFECT IN VISUAL PATTERN PERCEPTION SIMILAR TO EFFECT IN SERIAL LEARNING A65-81751
- INFLUENCE OF LOCAL FATIGUE ON SPEED AND ACCURACY IN MOTOR LEARNING A65-81759
- EFFECT OF AGE UPON SPEED OF CONCEPT ATTAINMENT A65-81864
- EFFECT OF WHITE NOISE LEARNING EFFICIENCY IN RATS A65-81940
- TIME PERCEPTION STUDIED BY ELABORATION OF CONDITIONED REFLEX TO GIVEN TIME INTERVAL A65-81951
- TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION, AND RETENTION OF TRACKING SKILL A65-82055
- PURSUIT ROTOR PERFORMANCE, REMINISCENCE, INHIBITION, AND CONSOLIDATION A65-82107
- REMINISCENCE - THREE FACTOR THEORY A65-82108
- AGE EFFECT ON SHORT-TERM STORAGE MEMORY AND SERIAL ROTE LEARNING A65-82109
- MENTAL PERFORMANCE RELATED TO LEVEL OF AROUSAL A65-82261
- VERBAL CODING AND DISPLAY CODING IN ACQUISITION AND RETENTION OF TRACKING SKILL A65-82293
- JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND WHITE NOISE AS AFFECTED BY REPETITION RATE A65-82295
- DICHOTIC LISTENING AND RECALL AS RELATED TO CEREBRAL DOMINANCE A65-82310
- ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING LEARNING AND DIFFERENT STAGES OF SLEEP AND ALERTNESS AFOSR-64-0966 N65-13205
- PROGRAMMED LEARNING IMPROVED BY REVISED COPY FORMAT - SELF-EVALUATION RESPONSE, TYPOGRAPHICAL EMPHASIZING, AND TERSE AND DISCURSIVE TEXT AIR-C28-7/63-TR N65-15959
- TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL DELAY AND LEARNING - HUMAN PERFORMANCE AMRL-TR-64-104 N65-19149
- DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS ESD-TDR-64-192 N65-25943
- ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY

AD-616622 N65-30631

OVERVIEW OF RESEARCH IN PHYSIOLOGICAL,
EXPERIMENTAL, DEVELOPMENTAL, AND COMPARATIVE
PSYCHOLOGY - STUDIES ON BRAIN AND BEHAVIOR,
PERCEPTION, COORDINATION, AND LEARNING
NASA-CR-58831

N65-32115

CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3

N65-36307

LEARNING SYSTEM

LEARNING PROCESS IN SELF-ADAPTIVE CONTROLS FOR
LARGE-SCALE PROCESSES

A65-35004

LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION
AMRL-TR-64-114

N65-19602

REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED
INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128

N65-21048

ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN
MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156

N65-24231

ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED
PERFORMANCE
NASA-CR-63837

N65-28853

LEG

RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING

A65-82220

QUANTITATIVE MEASUREMENTS OF CIRCULATION OF CALF
MUSCULATURE IN MAN

A65-82229

LOWER-LEG RESTRAINT AGAINST CENTRIPETAL FORCE -
BINDING DEVICE USED IN YAW AND TRANSVERSE
ACCELERATION ENVIRONMENT
AMRL-TR-64-144

N65-21399

LEGIBILITY

VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004

N65-17144

LEM

S LUNAR EXCURSION MODULE /LEM/

LENS DESIGN

EFFECT OF PROTECTIVE FILTERS AND LENSES ON COLOR
JUDGMENT BY HUMANS
NASA-CR-63766

N65-27956

LET

S LINEAR ENERGY TRANSFER /LET/

LEUKEMIA

ERYTHROPOIETIC STIMULATING FACTOR /ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO

A65-14607

DIAGNOSIS, AND TREATMENT OF HUMAN RADIATION
INJURY AFTER WHOLE-BODY EXPOSURE WITH PROGNOSIS
FOR LEUKEMIA

A65-80165

EFFECT OF S, 2, -AMINO-ETHYLISOTHIURONIUM ON IMMUNE
MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA
CELLS

A65-80170

INFLUENCE OF IONIZING RADIATION ON ORIGIN
AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY
JPRS-30161

N65-24315

LEUKOCYTE

EOSINOPHIL LEVELS IN PERIPHERAL BLOOD AFTER STATIC
AND DYNAMIC WORKLOADS

A65-80002

LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL

A65-80115

LYMPHOCYTOPENIA AND ADAPTATION AFTER TUMBLING
TRAUMA IN RAT

A65-80332

CIRCULATING LEUKOCYTE NUMBER CHANGES OF YOUNG AND
OLD FEMALE MICE EXPOSED TO MAGNETIC FIELDS

A65-80418

LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH
PRETREATMENT IN MAGNETIC FIELDS PRODUCING
LEUKOCYTOSIS

A65-80420

PROTECTION OF LYMPHOCYTES IN THYMUS OF
X-IRRADIATED RATS BY CYSTEAMINE

A65-81235

SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN
RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE
IRRADIATION

A65-81453

ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF
ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO
ANOXIA

A65-81796

PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE,
AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED
BY ANOXIA IN DECOMPRESSION CHAMBER

A65-81841

RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282

N65-19472

INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES,
AND BONE MARROW OF RABBITS EXPOSED TO RADIATION

N65-21211

LIFE

SA ABIOGENESIS
SA BIOGENESIS
SA EVOLUTION
SA EXTRATERRESTRIAL LIFE

ANABIOTIC LIFE PROCESSES APPLIED TO EXTENDED SPACE
FLIGHTS
JPRS-27540

N65-11264

COSMOLOGY - ORIGIN OF LIFE
NASA-TM-X-51753

N65-21478

REGULATION OF CELLULAR METABOLISM, DETERMINISM IN
BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND
LIFE

N65-26222

SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE
PROPAGATION AND TRANSCRIPTION, DUAL
TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM,
AND PROTOPLASM
UCRL-14254

N65-31001

LIFE DETECTOR

CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS
CONSIDERING DATA TRANSMISSION LIMITATION, LOW
SCIENTIFIC PAYLOAD, LANDING IMPACT AND
CONTAMINATION

A65-10729

WOLF TRAP DEVICE DETERMINING GROWTH OF
MICROORGANISMS BY MEASURING INTENSITY OF LIGHT
SCATTERED BY ORGANISMS

A65-10731

EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY

A65-15153

SUGGESTED EXPERIMENTS IN SEARCH FOR
EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM

A65-16032

EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND
POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC
AND TELEVISION INSTRUMENT PACKAGE FOR TELEMETRY

A65-16557

INSTRUMENTS AND METHODS TO DETECT LIFE ON OTHER
PLANETS

A65-16817

EXTRATERRESTRIAL LIFE CONSIDERING MOON AS
HOSPITAL, MOONSHIPS TO MARS AND VENUS, DETECTING
AND COMMUNICATING WITH EXTRATERRESTRIALS, ETC

A65-18236

AUTOMATED BIOLOGICAL LABORATORY FOR DETECTION
AND CLASSIFICATION OF LIFE ON MARS

- A65-19518
- EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS CHROMATOGRAPHY AND MASS SPECTROMETRY
- A65-22137
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN HYDROGEN PEROXIDE DECOMPOSITION
- A65-26285
- EXTRATERRESTRIAL LIFE DETECTION ON MARS USING UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC PHYSICAL AND CHEMICAL TESTS
- A65-26739
- MARTIAN LIFE DEPENDS ON CHEMOGENY, BIOGENY, COGNOGENY, SIMILARITY AND DISSIMILARITY TO EARTH AND PHYSICAL AND CHEMICAL ENVIRONMENT
- A65-28200
- OPTICAL ACTIVITY IN UV REGION OF SPECTRUM DEVELOPED, USING OPTICAL ROTATION TO DETECT EXTRATERRESTRIAL LIFE
- A65-30678
- EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE ORANGE REACTION
- A65-30679
- POSSIBILITY OF COMMUNICATION WITH EXTRATERRESTRIAL CIVILIZATIONS BY RADIO METHODS
- A65-80825
- DETECTING LIFE IN OTHER SOLAR SYSTEMS
- A65-81263
- PHYSICAL BASIS FOR EXTRATERRESTRIAL LIFE DETECTION AND USE ON MARS
- A65-81737
- EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE SYSTEMS
- A65-81851
- LIFE-DETECTION INSTRUMENTATION DEVELOPMENTS IN CARRYING OUT BIOLOGICAL EXPLORATION ON MARS
- A65-81927
- SPACECRAFT, MISSIONS AND INSTRUMENTATION FOR SPACE PROBES AND INTERPLANETARY EXPLORATION
- A65-82064
- JUSTIFICATION FOR DESIGNING LIFE DETECTION EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS OF BIOLOGICAL MATERIAL
- A65-82217
- MARS ENVIRONMENTAL FACTORS SUGGESTING BIOLOGICAL POSSIBILITIES AND LIFE DETECTION EQUIPMENT TO PREVENT CONTAMINATION
- A65-82218
- EXTRATERRESTRIAL LIFE DETECTORS
- NASA-SP-56 N65-12268
- MICROORGANISM MEASUREMENT IN WOLF TRAP BY LIGHT SCATTERING METER - LIFE DETECTOR
- N65-16611
- ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION PROBLEM
- NASA-SP-75 N65-34227
- LIFE RAFT
S RAFT
- LIFE SCIENCE
SA BIOCOURIER PROJECT
- APPROACHES TO DIRECT AND INDIRECT EXTRATERRESTRIAL LIFE IDENTIFICATION CONCENTRATING ON MICROORGANISMS AND NOTING ROLE OF CARBON
- A65-22771
- ORGANIC COMPOUND FORMATION EXPERIMENTATION TO TEST ORIGINATION OF LIVING CELLS WITH TERRESTRIAL TYPE BIOCHEMISTRY
- A65-27097
- POSSIBLE ALTERNATIVE CHEMICAL ELEMENTS AND COMPOUNDS SUITABLE FOR PROLONGED BIOMOLECULAR EVOLUTION AND CHEMICAL SELECTION ON NONTERRESTRIAL TYPE PLANET
- A65-27098
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN MAY 1964
- A65-30671
- ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS
- A65-30685
- MINIMUM FREE LIVING REPLICATING SYSTEM REQUIREMENTS
- A65-30686
- PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL THERMODYNAMICS
- JPRS-28949 N65-17978
- ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING ORGANISMS
- FTD-TT-62-1923/162 N65-18283
- MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES IN LIFE SCIENCES AND HUMAN ENGINEERING
- AMRL-TR-65-3 N65-22477
- NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL, PHYSICAL AND CHEMICAL MATTER, AND PHYSICS, CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND METHODS IN EXPLORING LIFE PHENOMENA
- JPRS-29864 N65-23144
- PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS
- JPRS-31954 N65-33071
- LIFE SUPPORT SYSTEM
SA CLOSED ECOLOGICAL SYSTEM
SA PRESSURIZED CABIN
SA PRESSURIZED SUIT
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMELECTIVE SILICONE RUBBER MEMBRANE
- A65-10696
- OXYGEN RECOVERY FROM METABOLIC CARBON DIOXIDE FOR SPACECRAFT ENVIRONMENT
- A65-10698
- CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED GRAVITATIONAL ENVIRONMENT OF MOON
- A65-10763
- DYNAMIC BIOASTRONAUTICAL INSTRUMENTATION FOR BIOCHEMICAL, BIODYNAMIC AND PSYCHOMOTOR SYSTEMS
- ISA PAPER 16-1-3-64 A65-11184
- GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL AGAINST TOXICITY OF PROPELLANTS
- A65-11400
- LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREW IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP TO ONE YEAR
- A65-11647
- LIFE SUPPORT SYSTEM RESEARCH FOR PHYSIOLOGICAL STRESSES ENCOUNTERED BY NAVY AND MARINE PERSONNEL
- A65-1178
- LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT, DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE MANAGEMENT
- A65-1254
- CREW MANAGEMENT REQUIREMENTS FOR OPERATING PROTOTYPE OF INTEGRATED LIFE SUPPORT SYSTEM FOR LONG RANGE SPACE FLIGHT
- SAE PAPER 908C A65-1281
- RELIABILITY OF LIFE SUPPORT SYSTEMS USING GENERIC FAILURE RATES FOR COMPONENTS
- SAE PAPER 912G A65-1290
- LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING ATMOSPHERE AND THERMAL CONTROL, RADIATION PROTECTION AND WATER AND WASTE RECOVERY
- A65-1309
- SOAR AND SIMILAR PROGRAMS LIFE SCIENCE REQUIREMENTS, DISCUSSING X-20 COCKPIT DESIGN, PILOT PRESSURE SUITS, MEDICAL MONITORING, PILOT SELECTION AND EVALUATION
- A65-1422

- LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS AND VARIABLE EXPENDABLES, CONSIDERING WORKER OUTPUT CHARACTERISTICS A65-14230
- CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE ROCKET BI-PROPELLANTS FOR LIFE SUPPORT, INCLUDING ATMOSPHERE AND CONTAMINANT CONTROL A65-14234
- MOON SUIT DESCRIBING COOLING SYSTEM, MATERIAL AND LIFE SUPPORT BACKPACK A65-15100
- MANNED SPACEFLIGHT ANALYTICAL INSTRUMENTATION USES DESIGN TRADEOFF OF REDUCTION IN SIZE WITH LOSS OF VERSATILITY AICE PREPRINT 54E A65-15227
- RECOVERY OF USABLE OXYGEN FROM WASTE CARBON DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION FOLLOWED BY ELECTROLYSIS A65-15625
- ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS AND PROCESSES AND DETECTION AND CONTROL FOR LIFE SUPPORT SYSTEM A65-15628
- WATER RECLAMATION FROM CABIN-AIR DEHUMIDIFICATION CONDENSATE AND WASH WATER BY MULTIFILTER SYSTEMS A65-16560
- APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING PRESSURE SUIT FOR LUNAR SURFACE USE NYAS PAPER TP 65-01 A65-17201
- PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE CONTROL AND FOOD PRODUCTION A65-17930
- ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON DIMENSIONAL ANALYSIS AND MODEL THEORY A65-19839
- INTERPLANETARY MISSION LIFE SUPPORT SYSTEM EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE CONDITIONING, WATER MANAGEMENT, TEMPERATURE CONTROL AND SYSTEM INTEGRATION ASME PAPER 65-AV-33 A65-22954
- APOLLO SPACE SUIT DESIGN INCLUDING PERSONAL LIQUID COOLING FOR CONDITIONING AND REPLENISHING ATMOSPHERE INSIDE SPACE SUIT ASME PAPER 65-AV-45 A65-24390
- DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL CHEMICAL PROCESSES FOR SUSTAINING CREW DURING SPACE FLIGHT SIMULATION ASME PAPER 65-AV-25 A65-24391
- STORABLE PROPELLANT UTILIZATION EXTENDED TO INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL AND WATER AND POWER PRODUCTION AIAA PAPER 64-213 A65-24446
- SPACE CABIN SIMULATOR AND TESTING OF INTEGRATED LIFE-SUPPORT SYSTEMS WITH CREW ASME PAPER 65-AV-19 A65-25030
- WETTING AND NONWETTING SURFACES TO CONTROL WATER AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE COLLECTION, DISTILLATION AND MANAGEMENT OF WATER AND OXYGEN SUPPLIES A65-28630
- SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE FOR SPACE FLIGHT A65-29103
- TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON DIOXIDE AND TRACE CONTAMINANT REMOVAL AIAA PAPER 65-501 A65-29441
- PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE SUPPORT SYSTEMS OF VOSTOK AND VOSKHOZ SPACE SHIPS A65-29942
- MANNED SPACE CABIN SIMULATOR FOR TESTS TO EVALUATE ADVANCED LIFE SUPPORT SYSTEMS OPERATION AND MAINTENANCE AIAA PAPER 65-502 A65-30218
- PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING DWARF MOUSE AND ILLUMINATED SUSPENSION OF CHLORELLA ELLIPSOIDEA A65-31005
- LIFE SUPPORT SYSTEM REQUIREMENTS FOR MANNED SPACE MISSIONS PRESENTING SYNTHETIC CLOSED ECOLOGICAL SYSTEM A65-31672
- CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND ALGATRON SYSTEMS A65-33150
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMELECTIVE SILICONE RUBBER MEMBRANE A65-33554
- SPACECRAFT CABIN ENVIRONMENT CONTROL OF ATMOSPHERE AND TEMPERATURE, DESCRIBING OXYGEN REGENERATION SYSTEM USING ZEOLITE BEDS AND SILICA GEL A65-33615
- COMPARISON BETWEEN U.S. AND U.S.S.R. LIFE SUPPORT SYSTEMS USED IN SPACE FLIGHTS NOTING PHYSICAL LAYOUT, RADIATION SHIELDING, GROUND SIMULATION, DIETARY CHANGES, ETC A65-34475
- NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT SYSTEMS IN SPACESHIP CABINS DURING PROLONGED FLIGHTS A65-35255
- EFFICIENCY AND STABILITY OF COMPLEX CLOSED ECOLOGICAL SYSTEM OPERATING ON SOLAR ENERGY AND WITH INTERNAL FEEDBACKS EVALUATED FROM THERMODYNAMIC AND KINETIC VIEWPOINTS A65-36236
- CONTINUOUS CULTURE APPARATUS FOR BACTERIUM, HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION OF HYDROGEN PRODUCED BY ELECTROLYSIS OF WATER IN CLOSED-CYCLE SPACE SYSTEM A65-80099
- LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS IN OPERATOR OUTPUT CHARACTERISTICS A65-80139
- LIFE SUPPORT FOR LUNAR BASE OPERATIONS A65-80530
- MEDICAL SUPPORT OF PROLONGED INTERPLANETARY MISSIONS A65-80932
- ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL SYSTEM A65-81251
- GEMINI PROGRAM - ADVANCES IN OPERATIONAL CAPABILITY DURING FLIGHT, RENDEZVOUS, EXTRAVEHICULAR OPERATIONS AND REENTRY A65-81280
- LIFE SUPPORT SYSTEMS IN MANNED SPACE FLIGHT OPERATIONS A65-81306
- PSYCHOLOGY OF MOON FLIGHT - HUMAN TOLERANCE TO SPACE FLIGHT STRESS AND LIFE SUPPORT SYSTEMS A65-81611
- LIFE SUPPORT SYSTEMS IN SPACE MISSIONS A65-81854
- HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING BOEING HIGH ALTITUDE CHAMBER AS TEST BED NASA-CR-134 N65-12076
- EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM FOR CREW USE IN AEROSPACE MEDICAL RESEARCH LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR AMRL-TR-64-60 N65-12995
- GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-OXYGEN ATMOSPHERE N65-13649

- HUMAN FACTOR CRITERIA, ENVIRONMENTAL CONTROL,
AND LIFE SUPPORT SYSTEM FOR LUNAR SHELTER
NASA-CR-60909 N65-17603
- LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING
WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL
SIMULATION
SM-47691 N65-17977
- BIOREGENERATIVE LIFE SUPPORT SYSTEMS, METABOLISM,
AND SPACE ENVIRONMENTAL FACTORS
N65-18570
- INTEGRATION AND MECHANICS OF WASTE COLLECTION AND
PROCESSES FOR SPACECRAFT LIFE SUPPORT SYSTEM
N65-18589
- BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS,
WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN
MEDICOBIOLOGY
JPRS-29069 N65-18784
- MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT
N65-18787
- COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS
CLO-1720 N65-19423
- LIFE SUPPORT SYSTEMS TO REVERSE DEATH - USE OF
SMALL ARTIFICIAL HEART PUMP IN DOGS
N65-22733
- CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN
SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE
OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS,
AND MAN-MACHINE SYSTEM RELIABILITY
N65-27419
- LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD
MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710
- COMPILATION OF ABSTRACTS ON SPACE MEDICINE AND
BIOLOGY, SPACE PHYSIOLOGY, AND SPACE VEHICLE
ECOLOGY - LIFE SUPPORT SCIENCES
ATD-P-64-66 N65-27748
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT -
LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN
MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN
PERFORMANCE
LMSC-6-62-64-19 N65-31557
- PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT
SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF
MANNED SPACE FLIGHT PROGRAM
N65-32679
- IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT -
LIFE SUPPORT SYSTEMS
N65-34620
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE
DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION
PROBLEMS
NASA-TT-F-9590 N65-35784
- PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF
CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED
ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786
- LIFESPAN**
- INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD.
A65-82051
- RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN
TISSUE, RADIATION PROTECTION BY CHEMICAL
COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON
LIFESPAN
AD-610947 N65-19211
- LIFETIME**
- CORRELATION OF RADIATION DISEASE DATA IN MICE WITH
LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE
RANGE DIFFERENCE DUE TO INDIVIDUAL
N65-21210
- DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON
OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME
N65-26383
- LIGHT**
- SA AIRPORT LIGHT
SA FLASH
SA GLARE
SA LUMINESCENCE
SA SUNLIGHT
SA ULTRAVIOLET LIGHT
SA XENON LIGHT
- ROLE OF LIGHT IN EVOLUTION - TRANSITION FROM ONE
QUANTUM TO TWO QUANTA MECHANISM
A65-80489
- VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY
A65-81089
- FLASH BLINDNESS AS FUNCTION OF WAVELENGTH
SPECIFICITY
A65-81095
- INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT
A65-81107
- GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME,
LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON
PHOTOSYNTHESIS
A65-81590
- LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN
AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT
A65-81592
- PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA
71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS
AND LIGHT
A65-81976
- EFFECT OF TARGET SIZE, LUMINANCE, AND COLOR ON
MONOCULAR FIXATION
A65-82202
- INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT
A65-82355
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL
ESD-TR-64-557 N65-21144
- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF
CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND
SOUND STIMULI
JPRS-31467 N65-31531
- LIGHT ABSORPTION**
- COOPERATION BETWEEN AND PLANT CONTROL OF ENERGY
FLUX IN TWO LIGHT REACTIONS IN PHOTOSYNTHESIS
A65-17812
- TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL
DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH
TEMPERATURE STRAIN CHLORELLA 7-11-05
A65-32939
- EFFECT OF AERATION ON COEFFICIENT OF SPECTRAL
ABSORPTION IN SUSPENSION OF CHLORELLA SP.
A65-81938
- HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST
EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION,
USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS
NASA-CR-52090 N65-16984
- HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH
NASA-CR-67374 N65-35580
- LIGHT ADAPTATION**
- VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN
RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL
RESPONSE
A65-32883
- STEADY STATE RESPONSE OF PUPIL TO RETINAL
ILLUMINATION IN OBSERVER LACKING FUNCTIONING RODS
A65-35587
- FOVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING

SUBJECT INDEX

LIMB

- FUSION MOVEMENTS IN LIGHT ADAPTED EYES
A65-80509
- VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF
RETINA BY INTERACTION OF VISUAL CELL OUTER
SEGMENTS AND RETINAL MICROSOMES
A65-80585
- HUMAN ELECTRORETINOGRAM AS AFFECTED BY SLOW
INTERMITTENT LIGHT STIMULATION
A65-80779
- OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS
OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT
A65-80782
- CONTRAST SENSITIVITY IN TEST FIELD WITH BRIGHT
SURROUND
A65-81419
- ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN
EYES OF CATS DURING LIGHT AND DARK ADAPTATION.
A65-82353
- POSITIVE AFTERIMAGE AND MEASUREMENT OF LIGHT AND
DARK ADAPTATION
AD-610733
N65-27798
- LIGHT DURATION
PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT
MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON
SYNTHESIS AND MULTIPLICATION OF SPECIES
N65-28102
- LIGHT EMISSION
RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED
LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF
ALGAE AND HIGHER PLANTS
A65-80846
- LIGHT INTENSITY
SA BRIGHTNESS DISCRIMINATION
SA LUMINOUS INTENSITY
- LIGHT FLASH PROPORTION DETERMINATION DETECTED BY
SUBJECTS AS FUNCTION OF TWO FLASH GROUPINGS AND
TWO LEVELS OF FLASH INTENSITY
A65-18293
- UNIFORMLY ILLUMINATED SURFACE LUMINOSITY
FLUCTUATIONS DUE TO CORPUSCULAR NATURE OF LIGHT AS
VIEWED BY HUMAN OBSERVER
A65-18424
- BRIGHTNESS CONTRAST OF VISUAL FIELD
A65-80685
- EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL
COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA
A65-80939
- APPARATUS FOR LUMINANCE-THRESHOLD DETERMINATION IN
ANIMALS
A65-81418
- CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE
A65-81872
- INFLUENCE OF FLASH INTENSITY UPON VISUAL EVOKED
RESPONSE IN HUMAN CORTEX
A65-81991
- ABSOLUTE JUDGMENTS OF LIGHT INTENSITY WITH EYE
HELD IN CONSTANT STATE OF DARK ADAPTION
AMRL-TR-64-103
N65-14002
- CONTIGUOUS UNIOCLAR OR SEPARATE BINOCULAR
LUMINOUS INTENSITY PERCEPTION OF LIGHT FLASHES
NAVTRADEVEN-1H-16
N65-18074
- LIGHT SCATTERING METER
MICROORGANISM MEASUREMENT IN WOLF TRAP BY
LIGHT SCATTERING METER - LIFE DETECTOR
N65-16611
- LIGHT SOURCE
FOCUSED AND STRAY LIGHT DISTRIBUTION ON RETINA
PRODUCED BY POINT SOURCE
A65-18219
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
- FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT
A65-81375
- PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY
OF BRAIN
RSIC-298
N65-20526
- SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756
- LIGHT TRANSMISSION
SA FIBER OPTICS
SA ILLUMINATION
SA REFRACTION
SA VISIBILITY
- SPECTRAL TRANSMITTANCE OF VISIBLE LIGHT BY LIVING
HUMAN EYE
A65-81412
- LIGHT MOTION PROCEDURE FOR VIEWING RETINAL CONES
NASA-CR-58190
N65-33714
- LIGHTING
PHYSICAL WORK PERFORMANCE AS AFFECTED BY
ENVIRONMENTAL CONDITIONS
A65-80321
- SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS
N65-13664
- LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344
N65-25675
- LIGHTING EQUIPMENT
LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR
MANNED SPACECRAFT
A65-35487
- SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE
FR-65-10-30
N65-19352
- LIGHTWEIGHT
LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR
AEROSPACE ENVIRONMENT
AMRL-MEMO-M-57
N65-11277
- LIMB
SA PROSTHETICS
- HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND
MONKEY CAUSED BY ELECTRIC STIMULATION OF
SEMICIRCULAR CANAL NERVE
A65-80156
- LIMB CIRCULATORY RESPONSE TO
HYPOCAPNIA IN ANESTHETIZED
DOG AS AFFECTED BY PHENOXYBENZAMINE
A65-80227
- FOREARM POSITION VARIATION EFFECT ON ELBOW
FLECTION DURING CHINNING EXERCISE
A65-80521
- REACTION TIME FOR TASKS INVOLVING ARM AND LEG
MOVEMENTS
A65-80522
- REACTION TIME AND SPEED OF MOVEMENT OF SUPPORTED
LIMB AS AFFECTED BY MUSCULAR STRETCH, TENSION, AND
RELAXATION
A65-80524
- FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS
A65-81909
- NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160
- CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF
LOWER BODY IN SUPINE POSITION TO NEGATIVE
PRESSURE.
A65-82253
- DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28
N65-27561

LINE

SUBJECT INDEX

- LINE
S SIGHT LINE
S TETHERLINE
- LINEAR ACCELERATOR
EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION
RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED
BY ANGULAR ACCELERATION
NASA-CR-59565 N65-11407
- LINEAR ENERGY TRANSFER /LET/
MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL
CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND
CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY
TRANSFER A65-80162
- BIOPHYSICS OF RELATIVE BIOLOGICAL EFFECTIVENESS OF
VARIOUS TYPES OF RADIATION A65-80841
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR
IONIZING RADIATION - LINEAR ENERGY TRANSFER
SPECTRUM OF HETEROGENEOUS PROTON BEAM
NASA-CR-51826 N65-16483
- CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND
ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL
EFFECTIVENESS IN YEAST N65-35107
- LINEAR PROGRAMMING
EFFECTS OF STEP SIZES ON ERROR RATES IN LINEAR
PROGRAMMING
NAVTRADEVCE-1208-1 N65-10230
- LIPID
SA ADIPOSE TISSUE
- URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH
FAT DIETS, AND KETONE INFUSIONS A65-80515
- DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES A65-82347
- CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070
- LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814
- RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY,
SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405 N65-24236
- ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE
BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS
NASA-TM-X-51940 N65-29450
- LIPID METABOLISM
CHANGES IN LIVER LIPID METABOLISM OF RATS
SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS A65-33527
- FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING
HOW THESE PREPARATIONS ARE AFFECTED BY
INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE
METABOLISM OF GLUCOSE A65-33702
- ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN A65-80204
- PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES A65-80221
- VARIATION OF PLASMA KETONES AND FREE FATTY
ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301
- MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK A65-80513
- ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY
- LEPHEMIA AND HEPARIN A65-80668
- UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID
SYNTHESIS IN BRAIN AND LIVER OF RATS DURING
HYPOXIA AND POST-HYPOXIC STATE A65-80721
- DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID
FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT
SIMULATED ALTITUDE A65-80928
- CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF
DIFFERENT AGES EXPOSED TO ACCELERATION STRESS A65-81023
- EFFECT OF FASTING IN RAT FOR 26 HOURS ON LIPID
METABOLISM OF HEART AND PLASMA A65-81128
- SYMPATHETIC NERVOUS SYSTEM FUNCTION REVEALED BY
PLASMA FREE FATTY ACID RESPONSES TO TILTING
FOLLOWING WATER IMMERSION A65-81136
- RESTRAINT AND EFFECT ON FREE FATTY ACID
MOBILIZATION IN RATS A65-81183
- INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA A65-81308
- LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN
SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE
DURING AND FOLLOWING PHYSICAL ACTIVITY A65-81352
- CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART A65-81383
- PATTERNS OF FAT MOBILIZATION IN FIELD-DEPENDENT
AND FIELD-INDEPENDENT SUBJECTS A65-81406
- COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL
DURING COLD EXPOSURE IN HIBERNATING AND
NON-HIBERNATING RODENTS A65-81707
- STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF
HUMAN SUBJECT DURING FASTING AND EXERCISE A65-82189
- EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82248
- KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD
PLASMA DURING EARLY PERIOD OF STARVATION IN MAN
A65-82249
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION A65-82358
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE A65-82360
- PLASMA FREE FATTY ACID CHANGES IN MAN FASTING
DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID
INGESTION A65-82363
- ALGAE PHOSPHORUS METABOLISM IN LIPID FRACTIONS
UNDER NORMAL AND HETEROTROPHIC CONDITIONS N65-21074
- RADIATION EFFECT ON LIPID COMPLEXES AND ON LIPID
METABOLISM IN CELL N65-23460
- LIQUID BREATHING
BREATHING OF PRESSURE OXYGENATED NORMAL SALINE IN
DOGS A65-80826

SUBJECT INDEX

LOCKHEED MILITARY AIRCRAFT

LIQUID COOLING

LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION A65-10693

HEAT TRANSFER FLUIDS IN COLD PLATE HEAT EXCHANGER
COMPARED IN TERMS OF RELATIVE FLOW AND PUMPING
POWER REQUIREMENTS
AICE PREPRINT 54C A65-15253

APOLLO SPACE SUIT DESIGN INCLUDING PERSONAL
LIQUID COOLING FOR CONDITIONING AND REPLENISHING
ATMOSPHERE INSIDE SPACE SUIT
ASME PAPER 65-AV-45 A65-24390

LIQUID FLOW

SA WATER FLOW

POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE
DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION
OF HABITABLE GASES - MANNED SPACECRAFT
APPLICATION
AMRL-TR-65-26 N65-30853

LIQUID INJECTION

COMBINED RADIOACTIVE MATERIAL INHALATION AND
HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION
TECHNIQUE FOR LUNG SCANNING FOR PULMONARY
FUNCTION EVALUATION
UCLA-12-556 N65-24272

LIQUID OXYGEN /LOX/

IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN A65-30138

GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479

LIQUID PROPELLANT

STORABLE PROPELLANT UTILIZATION EXTENDED TO
INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL
AND WATER AND POWER PRODUCTION
AIAA PAPER 64-213 A65-24446

CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506

LITHOSPHERE

S EARTH SURFACE

LIVER

SHORT-TERM CENTRIFUGATION STRESS EFFECTS ON LIVER
CARBOHYDRATE METABOLISM IN MICE A65-18202

ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE A65-80326

UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID
SYNTHESIS IN BRAIN AND LIVER OF RATS DURING
HYPOXIA AND POST-HYPOXIC STATE A65-80721

CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF
DIFFERENT AGES EXPOSED TO ACCELERATION STRESS
A65-81023

HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS A65-81135

PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS A65-81190

HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE
MARROW OF MICE TWICE IRRADIATED WITH COBALT 60
DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE
MARROW A65-81265

UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM
BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC

AND OXYGENATED CONDITIONS A65-81415

HEPATOTOXICITY OF RAT FROM HYDRAZINE AND
1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON
TETRACHLORIDE A65-81529

EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842

NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088

CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO
TRICHLOROETHYLENE INTOXICATION A65-82094

ENZYME ACTIVITY INDICATING LIVER CHANGES DUE TO
ALCOHOL INGESTION A65-82098

HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD
A65-82192

HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING
TRICHLOROETHYLENE AND TETRACHLOROETHYLENE
A65-82299

LIVER REGENERATION DETERMINATION IN WHITE MICE
AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/16264 N65-10285

VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND
BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL
ACCELERATIONS N65-13719

HYPOXIA IN PATHOLOGY OF LIVER DISEASES
N65-17802

LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814

INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS
IN HIGH ALTITUDE ENVIRONMENT N65-17827

TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC
VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM
IRRADIATED RATS
JPRS-28981 N65-17890

NYSTAGMUS IN RABBITS, IONIZING RADIATION OF
HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER
REGENERATION, BONE MARROW TRANSPLANTATION IN
RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250 N65-20139

DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING
LIVER DURING ACUTE RADIATION SICKNESS IN RATS
N65-20142

LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477

IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND
1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND
LIVER TISSUE ENZYME ACTIVITIES
AMRL-TR-65-19 N65-27575

MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE
OF ORGANISM TO CARBON MONOXIDE, METHANE, AND
THEIR COMBINATIONS - MINING SAFETY
N65-28292

LOCALIZATION

SA SOUND LOCALIZATION

LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663

MAGNITUDE OF GRAVITATIONAL FORCE, INDEPENDENT
VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF
HORIZONTAL-SPACE PERCEPTION
NASA-CR-67538 N65-36426

LOCKHEED MILITARY AIRCRAFT

S F-104 AIRCRAFT
S T-33 AIRCRAFT

LOCOMOTION

SUBJECT INDEX

LOCOMOTION

SA ASTRONAUT LOCOMOTION

HUMAN LOCOMOTION AND ENERGY REQUIREMENTS UNDER SUBGRAVITY CONDITIONS - ANALYSIS BASED ON PHYSICAL CHARACTERISTICS A65-80131

MECHANICS OF WALKING, RUNNING AND JUMPING ON MOON A65-81739

LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE AND GRAVITATIONAL CONDITIONS A65-81994

HUMAN LOCOMOTION UNDER CONDITIONS OF WEIGHTLESSNESS N65-18378

LOGIC

ONTOLOGICAL SIGNIFICANCE OF ENTITIES WITH RESPECT TO EFFECT ON LOGICAL STRUCTURE OF MIND - PHILOSOPHICAL FOUNDATION FOR PSYCHOLOGY AND PSYCHIATRY - GESTALT THEORY NASA-CR-63609 N65-27388

CONCEPTS AND INDICATORS IN STUDIES OF BEHAVIOR UNDER STRESS - LOGIC AD-610808 N65-28803

LOGIC CIRCUIT

SA NEURAL NET

ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR N65-16606

LOGISTICS

SA MAINTENANCE SA SPACE LOGISTICS

LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS IN OPERATOR OUTPUT CHARACTERISTICS A65-80139

LONG PERIOD EFFECT

LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP TO ONE YEAR A65-11642

MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT N65-18787

LONG WAVE RADIATION

ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS, QUALITATIVE AND QUANTITATIVE CHARACTERISTICS, DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE N65-26804

LONGITUDINAL CONTROL

THEORY AND SIMULATION OF PILOTED LONGITUDINAL CONTROL IN CARRIER APPROACH STI-TR-130-1 N65-26994

LOSS

S ENERGY LOSS
S HEARING LOSS
S WASTE

LOW ALTITUDE

PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT A65-80533

PROGRAMMED INSTRUCTION AND LOW ALTITUDE AERIAL OBSERVATION HUMRRO-RR-14 N65-17468

HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH SPEED FLIGHT - PILOT TASK LOADING, FUNCTION ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION AD-460918 N65-27205

LOW ALTITUDE SUPERSONIC VEHICLE /LASV/

PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT WITH ATTENTION TO TFX TYPE AIRCRAFT A65-18428

MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED AIRCRAFT AT LOW ALTITUDE N65-28454

LOW FREQUENCY

ULTRALOW FREQUENCY DISPLACEMENT INVESTIGATION OF BALLISTOCARDIOGRAPHY NASA-TT-F-269 N65-13827

THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM JPRS-31837 N65-32380

LOW LEVEL TURBULENCE

PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED AND MANEUVERING ACCELERATION STRESS ON PILOT PERFORMANCE IN LOW LEVEL MISSION NASA-TM-X-51748 N65-21756

LOW OPENING PARACHUTE

HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE TECHNIQUES TAC-TR-63-18 N65-16669

LOW PRESSURE

CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723

LOW PRESSURE CHAMBER

INFLUENCE OF INDOLYLALKYLAMINES AND OTHER COMPOUNDS ON ABILITY OF MICE TO TOLERATE LOW BAROMETRIC PRESSURE IN PRESSURE CHAMBER A65-81266

ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT FLASH DURING HIGH ALTITUDE SIMULATION IN LOW PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS A65-81669

EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN RATS IN LOW PRESSURE CHAMBER A65-81671

EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING EXPOSURE TO HYPOBARIC PRESSURE A65-81697

HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW PRESSURE CHAMBER N65-13687

EFFECTS OF LOW PRESSURES ON CELLULAR ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS NASA-CR-64097 N65-30474

LOW TEMPERATURE ENVIRONMENT

VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/ AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT INFORMATION NECESSARY FOR LIVING SYSTEM SPECIFICATION IS STORED IN ATOM CONFIGURATION A65-31004

THERMAL RADIATION OF SKIN AS FUNCTION OF PERIPHERAL CIRCULATION AND COOLING IN MAN A65-80007

MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066

CARDIOVASCULAR RESPONSES MEDIATED BY SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS A65-80075

OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD, AND THERMONEUTRAL WATER A65-80078

OXYGEN CONSUMPTION, BODY TEMPERATURE, AND SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND WITHOUT VOLUNTARY HYPERVENTILATION A65-80083

THERMORECEPTOR RESPONSE OF MONKEY AS AFFECTED BY MODERATE CHANGE IN CUTANEOUS TEMPERATURE A65-80102

INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY HUMAN A65-80106

TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT A65-80109

CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING

- ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263
- PHYSICAL INSULATION OF HEALTHY
MEN AND WOMEN OVER 60 YEARS A65-80275
- RECTUM, LOWER ESOPHAGUS, AND TYMPANUM
TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM
OF SUBJECTS DURING REST AND WORK UNDER HOT AND
COLD ENVIRONMENTAL TEMPERATURES A65-80276
- VARIATION OF PLASMA KETONES AND FREE FATTY
ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301
- DIGITAL BLOOD FLOW DURING COLD WATER IMMERSION OF
HAND A65-80302
- RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN
IN MAN AND DECEREBRATE CAT A65-80303
- PHYSICAL WORK PERFORMANCE AS AFFECTED BY
ENVIRONMENTAL CONDITIONS A65-80321
- SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL
COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF
LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL
A65-80323
- SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER
PREFERRERS REFLECTED THROUGH BLOOD PRESSURE
AND SKIN TEMPERATURE DIFFERENCES A65-80350
- PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD
INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE
SYSTEMS A65-80491
- PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF EXTREME COLD
DURING TOTAL BODY COOLING AND LOCAL COLD INJURY IN
MAN A65-80498
- NUTRITIONAL REQUIREMENTS IN HOT AND COLD
ENVIRONMENTS AS RELATED TO AGE A65-80500
- BOUND AND FREE CORTICOSTEROID IN PLASMA OF TWO
SUBSPECIES OF DEER MICE, PEROMYSCUS MANICULATUS,
AFTER EXPOSURE TO LOW AMBIENT TEMPERATURE
IDENTIFIED THROUGH CHROMATOGRAPHY A65-80511
- PHYSIOLOGICAL EFFECT OF CHILLING ON BODY
THERMOREGULATORY MECHANISM A65-80544
- SKIN THERMOREGULATION DURING COLD EXPOSURE IN
HUMAN ORGANISMS PREVIOUSLY ADAPTED TO COLD
A65-80546
- COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID
GLAND FUNCTION IN RATS A65-80712
- COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS
AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC
STIMULATION TRANSMITTED BY THALAMUS NUCLEUS
A65-80720
- HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD
LEVEL A65-80913
- ANTHROPOMETRIC MEASUREMENTS OF INDIAN SUBJECTS
ACCLIMATIZED TO HOT AND COLD CLIMATES A65-80971
- THERMAL COMFORT STANDARDS INFLUENCED BY GROUP
DIFFERENCES A65-80972
- THERMOREGULATION AND HYPOTHALAMUS IN MAN IN HOT
AND COLD ENVIRONMENTS A65-81082
- SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING
ENVIRONMENTAL TEMPERATURE A65-81133
- TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134
- BLOOD CLOTTING IN HUMANS AS AFFECTED BY PHYSICAL
EXERCISE IN COLD ENVIRONMENT A65-81141
- COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS
A65-81222
- RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO
INFUSED NOREPINEPHRINE AND BODY COOLING A65-81299
- CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART A65-81383
- THERMOGENIC FUNCTION OF BROWN ADIPOSE TISSUE OF
RAT EXPOSED TO COLD A65-81471
- AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEYI/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499
- ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL A65-81500
- EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST
CELLS AND METACHROMASIA OF RAT SKIN A65-81597
- PULMONARY RESISTANCE TO INFECTION IN MALE AND
FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND
ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA,
PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND
S. AUREUS A65-81598
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION,
AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO
HEAT AND COLD A65-81604
- VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT,
COLD, EXERCISE, AND WATER DEPLETION A65-81634
- HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945
- ADAPTATION OF DOMESTIC MICE TO COLD ENVIRONMENT
A65-82103
- NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL
RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS
LEVELS A65-82161
- DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS A65-82178
- PLASMA FREE FATTY ACID CHANGES IN MAN FASTING
DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID
INGESTION A65-82363
- TRITON HIBERNATION IN FROST ENVIRONMENT
NASA-TT-F-9162 N65-18336
- COLD TEST EVALUATION OF COMPONENTS OF NASA
PROGRAM MERCURY SURVIVAL KIT
AAL-TDR-64-24 N65-24083
- LOWER ATMOSPHERE
TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC
PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR
EARTH SURFACE N65-23992
- LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE
MICROORGANISMS OUTDOORS AND INDOORS N65-23996

LOX
S LIQUID OXYGEN /LOX/

LUMINESCENCE

SA BIOLUMINESCENCE
SA FLUORESCENCE
SA LIGHT
SA SELF-LUMINOUS BODY
SA THERMOLUMINESCENCE

ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029

EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH
LUMINANCES
SAM-TR-65-12
N65-33405

LUMINOUS INTENSITY

CONTIGUOUS UNIOULAR OR SEPARATE BINOCULAR
LUMINOUS INTENSITY PERCEPTION OF LIGHT FLASHES
NAVTRADEVCEH-IH-16
N65-18074

LUNAR BASE

LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING
ATMOSPHERE AND THERMAL CONTROL, RADIATION
PROTECTION AND WATER AND WASTE RECOVERY
A65-13099

LIFE SUPPORT FOR LUNAR BASE OPERATIONS
A65-80530

HUMAN FACTOR CRITERIA, ENVIRONMENTAL CONTROL,
AND LIFE SUPPORT SYSTEM FOR LUNAR SHELTER
NASA-CR-60909
N65-17603

LUNAR COMPOSITION

OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY
REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS
A65-34269

LUNAR ENVIRONMENT

HUMAN LOCOMOTION IN SIMULATED LUNAR GRAVITY AND
SURFACE
A65-32792

ASTROPHYSICAL, CLIMATOLOGICAL, AND BIOLOGICAL
ASPECTS AND HISTORY FUTURE PROSPECTS OF LUNAR
EXPLORATION
A65-80887

LUNAR EXCURSION MODULE /LEM/

VARIOUS OPERATIONAL AND FLIGHT ASPECTS OF APOLLO
PROGRAM AND COMPONENT MODULES
A65-81355

LUNAR EXPLORATION

LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION
A65-10693

ASTROPHYSICAL, CLIMATOLOGICAL, AND BIOLOGICAL
ASPECTS AND HISTORY FUTURE PROSPECTS OF LUNAR
EXPLORATION
A65-80887

WATER GENERATION IN SPACE ENVIRONMENT - LUNAR
EXPLORATION
N65-18582

LUNAR FLIGHT

BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF
MANNED SPACE FLIGHTS TO MOON FROM SOVIET
EXPERIMENTAL STUDIES AND DATA
A65-33034

WEIGHTLESSNESS THEORY FOR LUNAR AND INTERPLANETARY
FLIGHTS
N65-18786

BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288

APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT
MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT
VEHICLE
NASA-CR-61079
N65-29966

LUNAR GEOLOGY

SA SELENOGRAPHY

LUNAR WATER EXTRACTION PROCESSES AND TYPES OF
DEPOSITIONS
A65-34271

LUNAR GRAVITATIONAL EFFECT

CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED
GRAVITATIONAL ENVIRONMENT OF MOON
A65-10763

MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED
SUBJECTS WHILE LUNGING, EGRESSING AND LANDING
DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS
A65-24072

LUNAR LANDING

SA SOFT LANDING

INVESTIGATION OF VISUAL REQUIREMENTS FOR LANDING
SPACECRAFT ON MOON AND SUBSEQUENTLY ACHIEVING
RENDEZVOUS WITH COMMAND MODULE IN ORBIT
A65-35494

FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993
N65-35060

LUNAR PHASE

LUNAR RHYTHM ANALOGIES IN VARIOUS BIOLOGICAL
PROCESSES IN MAN AND INVERTEBRATES
A65-81890

LUNAR PROGRAM

LUNAR MISSIONS AND EXPLORATION - TECHNICAL AND
ENVIRONMENTAL ASPECTS
A65-80529

LUNAR SURFACE

SA SELENOGRAPHY

LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE
AND GRAVITATIONAL CONDITIONS
A65-81994

DESIGN STUDY OF LUNAR EXPLORATION HAND TOOLS FOR
LUNAR GEOLOGICAL AND ENVIRONMENTAL PROGRAM -
FIRST QUARTERLY DESIGN REPORT
NASA-CR-65092
N65-31179

LUNG

SA ALVEOLAR AIR
SA PULMONARY CIRCULATION
SA PULMONARY FUNCTION

CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE
A65-80016

PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH
G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE
OXYGEN
A65-80034

CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING
VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE
TENSION
A65-80070

BREATHING MECHANICS - COMPLIANCE AND RESISTANCE
IN NORMAL LUNG AND THORAX
A65-80184

PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS
AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION
A65-80228

MEASUREMENT OF LUNG DIFFUSING CAPACITY IN
CYCLICALLY AND CONTINUOUSLY VENTILATED CLOSED
SYSTEMS
A65-80309

MEASURING LUNG DIFFUSION CAPACITY USING
REBREATHING METHOD IN SUBJECTS WITH NONUNIFORM
VENTILATION
A65-80310

MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS
A65-80312

AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH
ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY
ARTERIES AND RENAL GLOMERULI
A65-80558

BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW
RELATIONS OF WHOLE DOG LUNG
A65-80664

HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS
A65-80809

METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE
A65-81149

HIGH-ALTITUDE PULMONARY EDEMA IN MOUNTAIN
INHABITANTS - CLINICAL STUDY
A65-81591

- PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598
- PULMONARY RETENTION AND EXCRETION OF MERCURY VAPORS IN MAN A65-81625
- EFFECT OF RESPIRATORY FREQUENCY ON PULMONARY MECHANICS A65-81708
- HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT A65-81744
- EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE ON PULMONARY SURFACTANT IN MAMMALS A65-81898
- MECHANICAL PROPERTIES OF LUNGS AND THORAX AND CHEMICAL CONTROL OF RESPIRATION A65-82020
- ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN OXYGEN POISONING IN RABBITS A65-82100
- ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG EXTRACTS AND LUNG MECHANICS. A65-82157
- PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY METHYL DOPA A65-82191
- PULMONARY VASCULAR CHANGES OF HUMAN INFANT, DOG, AND CALF WITH UNILATERAL HYPOXIA A65-82232
- STRUCTURAL CHANGES IN DOG LUNGS AFTER EXPOSURE TO LATERAL ACCELERATIONS IN BACK-CHEST DIRECTION N65-13715
- BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF ANIMAL BLOOD AFTER LUNG REMOVAL N65-17782
- INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM AFTER LUNG SURGERY N65-17783
- DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS, FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE RARE EARTH CITRATES AND OXALATES COO-1170-3 N65-24619
- X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX CANCER IN U.S.S.R. N65-30219
- BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER TO DETERMINE CARDIAC OUTPUT NASA-CR-58985 N65-32091
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH SEA LEVEL NATIVES AD-463110 N65-33244
- LUNG MORPHOLOGY
EFFECT OF CARBON MONOXIDE BREATHING ON CELLULAR STRUCTURE AND TISSUES OF LUNGS IN RATS A65-82272
- LYMPH
THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY HYPOXIA AND REBOUND A65-81171
- CHANGES IN LYMPH NODES OF DOGS FOLLOWING SPACE FLIGHT N65-13735
- M**
- M-2 LIFTING BODY
AEROSPACE MEDICAL AND BIOENGINEERING CONSIDERATIONS IN M-2 LIFTING BODY RESEARCH VEHICLE, DISCUSSING PROTECTIVE EQUIPMENT, ESCAPE AND MEDICAL MONITORING SYSTEMS A65-14229
- AEROSPACE MEDICAL AND BIOENGINEERING
- CONSIDERATIONS IN M-2 LIFTING REENTRY VEHICLE RESEARCH AIRCRAFT OPERATIONS A65-80136
- MACHINE
S TEACHING MACHINE
- MACHINE LEARNING
INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR PERFORMANCE - SIGNAL DETECTION AND TASK COMPLEXITY AD-605713 N65-25770
- MACHINE RECOGNITION
BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND MACHINES A65-35479
- INCREASING RELIABILITY OF MACHINE PERCEPTION OF VOCAL SOUNDS BY INTRODUCING REPEATED DEMAND FTD-TT-65-104/162 N65-30149
- MACROMOLECULE
CRIGIN OF LIFE AS PROBLEM OF FORMATION OF MACROMOLECULES A65-80297
- SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES DURING SYNCHRONOUS GROWTH OF CHLORELLA PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS A65-80810
- DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN MACROMOLECULES OF BIOLOGICAL INTEREST WITH MAGNETIC SUSCEPTIBILITY NASA-CR-60122 N65-14803
- BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN MACROMOLECULES, NUCLEIC ACID MOLECULAR STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN LUMINESCENT BACTERIA JPRS-30097 N65-25027
- POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL TRANSITIONS IN MACROMOLECULES N65-25028
- MELTING POINT CURVES FOR DETERMINING EFFECTS OF IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS IN DNA MACROMOLECULE N65-26379
- ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY AD-616622 N65-30631
- MAGNESIUM
RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS, ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS, BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES, SYNTHESIS OF TRACERS, AND INSTRUMENTATION ACRH-22 N65-15627
- MAGNESIUM COMPOUND
EFFECT OF SUBCUTANEOUS INJECTIONS OF MAGNESIUM SULFATE SOLUTION ON DEGREE OF STRONTIUM 90 ABSORPTION IN EXPERIMENTAL ANIMALS A65-82181
- MAGNETIC EFFECT
MECHANISM FOR EXPLAINING DIRECT CHEMICAL EFFECT OF MAGNETIC FIELDS IN LIVING SYSTEMS A65-80414
- SUSTAINED LOW MAGNETIC FIELD EFFECT ON VISION - TEN DAY TEST ON FOUR MALE VOLUNTEERS NASA-CR-56356 N65-16485
- MAGNETIC FIELD
BIOLOGICAL EFFECTS OF MAGNETIC FIELDS A65-80409
- PHYSICAL PROPERTY OF MAGNETIC AND GEOMAGNETIC FIELDS AND RESPONSES OF BIOLOGICAL SPECIMEN A65-80410
- SIMPLE THEORETICAL MODELS FOR MAGNETIC INTERACTIONS WITH BIOLOGICAL UNITS A65-80411
- OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY CHANGING POSITIONS OF ASTRONAUTS AND USING

INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS A65-80412

ROTATIONAL DIFFUSION IN MAGNETIC FIELD AS RELATED
TO BIOLOGICAL GROWTH AND METABOLIC PROCESSES
A65-80413

MAGNETIC FIELD EFFECT ON GENETIC CODE OF MOUSE
A65-80415

GROWTH RATE OF MICE OF DIFFERENT AGES EXPOSED TO
HOMOGENEOUS AND INHOMOGENEOUS MAGNETIC FIELDS
A65-80416

REJECTION OF TRANSPLANTED TUMORS IN MICE OF BOTH
SEXES EXPOSED TO MAGNETIC FIELDS
A65-80417

CIRCULATING LEUKOCYTE NUMBER CHANGES OF YOUNG AND
OLD FEMALE MICE EXPOSED TO MAGNETIC FIELDS
A65-80418

REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE
THROUGH MAGNETIC FIELD PRETREATMENT
A65-80419

LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH
PRETREATMENT IN MAGNETIC FIELDS PRODUCING
LEUKOCYTOSIS A65-80420

MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE
REGENERATION IN MOUSE A65-80421

BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423

MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL A65-80424

SURVIVAL OF ANIMALS, INCLUDING MICE AND FRUIT FLY,
DROSOPHILA MELANOGASTER, IN MAGNETIC FIELDS OF
140,000 OERSTEDS A65-80425

MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE
AS RELATED TO TISSUE TYPE AND AGE AND FIELD
STRENGTH AND TEMPERATURE A65-80426

AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO
MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION
AND COULTER COUNTER A65-80427

INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND
STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH
PARAMAGNETIC STRENGTH A65-80428

INHIBITION OF BACTERIAL, STAPHYLOCOCCUS AUREUS,
SARCINA LUTEA, AND ESCHERICHIA COLI, GROWTH
IN HOMOGENEOUS MAGNETIC FIELDS A65-80429

TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD A65-80430

MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431

BIBLIOGRAPHY OF BIOLOGICAL EFFECT OF STATIC AND
EARTH MAGNETIC FIELDS AS RELATED TO LIVING TISSUE
AND CLINICAL APPLICATION A65-80434

MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA
MELANOGASTER, AND S-37 MOUSE TUMOR CELLS
A65-80462

MEASUREMENT OF EYE MOVEMENT USING MAGNETIC
INDUCTION IN CONTACT LENS COIL A65-81061

EFFECT OF HIGH INTENSITY MAGNETIC FIELDS ON
RESPIRATION AND PHOTOSYNTHESIS IN ALGAE
NRL-6153 N65-10497

EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE
AND CELL DIVISION IN MAN AND ANIMAL
NASA-CR-52453 N65-16486

BLOOD FLOW CONSIDERED AS HARTMANN FLOW FOR
INHIBITION BY MAGNETIC FIELD

JPRS-30635 N65-25876

EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF
PARAMECIUM CAUDATUM N65-32664

MAGNETIC FIELD INTENSITY
EVOLUTION OF LIFE IN RELATION TO DEVELOPMENT OF
EARTH CORE A65-81234

MAGNETIC SUSCEPTIBILITY
DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN
MACROMOLECULES OF BIOLOGICAL INTEREST WITH
MAGNETIC SUSCEPTIBILITY
NASA-CR-60122 N65-14803

MAGNETOCARDIOGRAM
RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND
MAGNETOCARDIOGRAM N65-16604

MAGNETOTAXIS
ORIENTATION OF PLANARIANS AND SNAILS TO ARTIFICIAL
MAGNETIC FIELDS APPROXIMATING MAGNETIC FIELD OF
EARTH A65-80432

MAGNETOTROPISM
GROWTH RATE AND MAGNETIC MAGNETOTROPIC RESPONSE OF
PLANTS EXPOSED TO MAGNETIC FIELDS
A65-80422

MAGNETRON
CASE HISTORIES OF APPARENT CHEMICAL BURNS AFTER
HANDLING MAGNETRON TUBE IN RADAR SET
A65-80789

MAINTENANCE
SA SPACE MAINTENANCE

ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618

FAULT ISOLATION/CORRECTION TEXT AND
TROUBLESHOOTING DIAGRAMS FOR SAGE MAINTENANCE
TECHNICIANS
ESD-TR-64-664 N65-19351

MAMMAL
SA BAT
SA CAT
SA CHIMPANZEE
SA DOG
SA DOLPHIN
SA GOAT
SA MONKEY
SA RABBIT
SA RODENT
SA WHALE

LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION
EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH
EARTH ATMOSPHERE PARALLELED TO MANNED SPACE
FLIGHT A65-26437

MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE
CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN
FLOW TO SKELETAL MUSCLES A65-34988

PROBLEMS IN ESTIMATING RECOVERY FROM RADIATION
INJURY IN MAMMAL A65-80163

ASCORBIC ACID METABOLISM OF ALBINO
RATS AND GUINEA PIGS EXPOSED TO
HIGH TEMPERATURE ENVIRONMENT
AS AFFECTED BY VITAMIN P A65-80265

DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268

TELEMETRIC DEVICES FOR STUDY AND CONTROL OF
PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET
SPACE MISSIONS A65-80333

MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL A65-80424

EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON

SUBJECT INDEX

MAN

- LAND OR WATER ON ANIMAL ORGANISM
A65-80440
- MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND
TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND
MONKEYS BREATHING RELATIVELY PURE OXYGEN
A65-80581
- TOXICITY OF SYNTHETIC, ETHYLATED AND SOME AVIATION
GASOLINES
A65-80589
- LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO
VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS
A65-80591
- TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE
A65-80609
- RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE
A65-80667
- DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED
RESPIRATION IN INTACT ANIMALS
A65-80765
- PERCEPTION AND NEURAL REPRESENTATION OF
SIMULTANEOUS DICHOTIC PURE TONE STIMULI IN CAT,
GUINEA PIG, AND MONKEY
A65-80787
- STUDY OF COMPLEX MOVEMENTS IN HIGHLY ORGANIZED
MAMMAL SYSTEMS
A65-80831
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS
A65-80979
- CONTINUOUS SAMPLING OF ARTERIAL BLOOD OF
UNANESTHETIZED ANIMALS
A65-81152
- PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS
A65-81190
- PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF
HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND
RAT
A65-81215
- ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM
HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO
SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL
SYSTEM
A65-81251
- SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS
/PRAIRIE DOG AND GROUND SQUIRREL/ AND
NONHIBERNATORS /CAT AND GUINEA PIG/ DURING
HYPOTHERMIA
A65-81315
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT
A65-81325
- TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS
A65-81358
- ELECTROCARDIOGRAPHIC RESPONSES TO AMOXIA IN CARP
/CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384
- DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY
PHOTIC STIMULATION BY STUDY OF
ELECTROENCEPHALOGRAMS
A65-81454
- TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460
- NATURE AND CAUSE OF HYPEREMIA AND OTHER
CIRCULATORY RESPONSE TO PHYSICAL EXERCISE
A65-81720
- METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN
MAMMALS
A65-81743
- EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE
ON PULMONARY SURFACTANT IN MAMMALS
A65-81898
- WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON
CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- CENTRAL REGULATION OF THE VESTIBULAR SYSTEM -
ROTATIONAL STIMULATION AND EYE MOVEMENTS
A65-82137
- ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG
EXTRACTS AND LUNG MECHANICS.
A65-82157
- RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID
A65-82177
- PULMONARY VASCULAR CHANGES OF HUMAN INFANT, DOG,
AND CALF WITH UNILATERAL HYPOXIA
A65-82232
- DREAM CYCLES IN HUMAN AND ANIMAL SLEEP
A65-82256
- NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN
AND RAT
A65-82327
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND
X-RAYS ON MAMMALIAN BONE MARROW CELLS
N65-15446
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL
MAMMALS IN GASEOUS TEST CHAMBER
NASA-CR-51657
N65-17056
- RADIATION INJURIES AND RESTORATIVE PROCESSES IN
CENTRAL NERVOUS SYSTEM OF MAMMALS
JPRS-29288
N65-19665
- COMPARATIVE HISTOLOGICAL STUDY OF REINFORCED AREA
OF SACCCULAR MEMBRANE IN MAMMALS
NASA-CR-60389
N65-19746
- INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR
PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS
LR-18525
N65-23152
- SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL
BODY TEMPERATURE WITHOUT ALTERING NORMAL
PHYSIOLOGY
FTD-TT-65-74/162
N65-30489
- MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO
COMBINED EFFECTS OF IONIZING RADIATION AND
NONRADIATION FACTORS
N65-31376
- COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS
ON NUCLEI OF BONE MARROW CELLS IN MAMMALS
N65-31388
- SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH
RADIATION EFFECTS ON MAMMALIAN EYE
TID-3912/INDEX/
N65-31958
- RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS
BNL-8469
N65-32842
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
SYSTEM AND OBSERVATIONS OF MAMMALIAN
MICROCIRCULATION
NASA-CR-67225
N65-35105
- ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573
N65-36594
- MAN
EOSINOPHIL REACTION TO OCULAR LIGHT STIMULI
MEASURED IN MAN AND MOUSE
A65-80194
- RESPIRATORY RESPONSE OF MAN TO HYPOXIA
A65-80357
- OXYGEN STORAGE IN MAN
A65-80368

- REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G
A65-80369
- CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN
JPRS-31349
N65-29879
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT - LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN PERFORMANCE
LMSC-6-62-64-19
N65-31557
- ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY OF MAN DURING ORBITAL SPACE FLIGHT
NASA-TM-X-57000
N65-34428
- BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION EFFECTS IN ANIMALS AND MAN
N65-34586
- MAN-MACHINE SYSTEM
SA HUMAN ENGINEERING
SA HUMAN FACTOR
- CLASSIFICATION DIAGRAM FOR VISUAL DISPLAY SYSTEMS OF MAN-MACHINE SYSTEMS
A65-10541
- OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL SYSTEMS
A65-10542
- MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF AIRCRAFT AND SPACECRAFT SYSTEMS
A65-14364
- SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL SUBSYSTEM CONCEPT
A65-18292
- FULL-SCALE WEARABLE NONPOWERED EXOSKELETAL STRUCTURE /MAN AMPLIFIER/ FABRICATION AND TESTING TO DETERMINE EFFECT ON WORK TASK PERFORMANCE
A65-19149
- FLIGHT INDICATOR FUNDAMENTALS IN TERMS OF CONTROL THEORY AND MAN-MACHINE INTEGRATION
A65-21156
- HUMAN INFORMATION PROCESSING CONCEPTS EXAMINING READ-IN, STORAGE, DECISION MAKING AND READ-OUT SUBSYSTEMS
A65-25180
- HUMAN FUNCTION IN COMPLEX FLIGHT CONTROL SYSTEMS
A65-28291
- RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT CONTROL SYSTEM
A65-29944
- MULTIPLICATIVE PROBABILITY MODEL DEVELOPMENT FOR PREDICTING HUMAN RELIABILITY IN MAN-MACHINE SYSTEM, USING PROBABILITY TREE
A65-34677
- IDENTIFICATION AND ELIMINATION OF SOURCES OF HUMAN-INDUCED EQUIPMENT FAILURES IN COMPLEX SYSTEMS, CONSIDERING PROBABILITY OF ERROR
A65-34678
- FIELD MEASUREMENT OF HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS, NOTING LIMITATION UPON EVALUATOR
A65-34679
- METHODOLOGICAL AND PSYCHOLOGICAL PROBLEMS IN MEASURING HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS
A65-34682
- UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION SYSTEMS
SAE PAPER 650811
A65-34697
- MINIMUM ATTENTION DISPLAY TECHNIQUE PERMITS MAXIMUM TRANSFER OF GUIDANCE INFORMATION TO OBSERVER WITHOUT EXCESSIVE SENSORY COMMITMENT TO DISPLAY
A65-35171
- HUMAN OPERATOR ROLE IN PERFORMING INFORMATION PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR CONSOLE MEMORY
A65-35478
- SKILLS INVOLVED IN READING METERS DURING SUPERVISION OF AUTOMATIC ASSEMBLY SYSTEMS
A65-80886
- MAN-MACHINE PROBLEMS RELATED TO FLYING VERTICAL TAKEOFF AIRCRAFT
A65-81037
- PROBLEM SOLVING ON STOCHASTIC PROCESS - MONITORING OF COMPUTER SOLUTIONS BY MAN
A65-81225
- VISUAL PRESENTATION OF AIRCRAFT INFORMATION
A65-81334
- MAN-MACHINE SYSTEMS IN PREVENTIVE MEDICINE AND AVIATION MEDICINE
A65-82319
- MAN-MACHINE INTERACTION IN INFORMATION DISPLAY AND PROCESSING
ESD-TDR-64-609
N65-11774
- MAN-COMPUTER SYSTEM FOR TARGET DISCRIMINATION PROBLEM SOLVING
AD-607520
N65-11817
- BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT CONTROL
AMRL-TR-64-95
N65-12132
- QUANTITATIVE EVALUATION OF OPERATOR RELIABILITY IN MAN-MACHINE SYSTEM
N65-13697
- FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM SELF-PACED MANUAL TASKS - CYBERNETICS
NASA-TN-D-2665
N65-17329
- HUMAN ENGINEERING IN SYSTEMS DESIGN
N65-23960
- PATH OPTIMIZATION FOR NUMERICALLY CONTROLLED REMOTE MANIPULATOR - MAN-MACHINE SYSTEM
NASA-CR-62878
N65-25002
- SIMULATION, MODELS, AND GAMES AS ANALOGIES MEASUREMENT CRITERIA IN MAN-MACHINE SYSTEM SIMULATION
NASA-CR-257
N65-27397
- CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS, AND MAN-MACHINE SYSTEM RELIABILITY
N65-27419
- MAN-MACHINE ANTHROPOMECHANIC SYNERGY DEPENDENCE UPON COMMUNICATION
N65-28451
- ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING NEAR OR ON GROUND
N65-28452
- MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED AIRCRAFT AT LOW ALTITUDE
N65-28454
- MAN-MACHINE PROBLEMS IN VTOL AIRCRAFT - TECHNOLOGICAL ASPECTS
N65-28455
- MAN-MACHINE RELATIONSHIP - SUPERSONIC CONCORDE AIRCRAFT AERODYNAMIC CHARACTERISTICS AND SYSTEMS ANALYSIS
N65-28456
- HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA
N65-28760
- MAN-MACHINE PERFORMANCE MEASUREMENTS
NASA-CR-64106
N65-30469
- ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND ENGINEERING
NASA-CR-67336
N65-35409
- MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN AUTOMATIC CHECKOUT OF SPACE VEHICLES
NASA-CR-67371
N65-35577
- MANAGEMENT
SA PERSONNEL
SA PROGRAM MANAGEMENT

SUBJECT INDEX

MANNED SPACE FLIGHT

- HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS
TO PERSONNEL MANAGEMENT A65-81783
- MECHANIZATION PROBLEMS OF INDUSTRIAL MANAGEMENT
N65-30279
- SYSTEM FOR MANAGEMENT OF HUMAN FACTOR IN PHYSICS
OF FAILURE N65-30316
- CLINICAL MANAGEMENT OF CHIMPANZEE COLONY
SAM-TDR-64-45 N65-34515
- MANEUVER
SA FLIGHT CONTROL
SA SELF-MANEUVERING UNIT
SA SPACE RENDEZVOUS MANEUVER
SA VALSALVA MANEUVER
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVCE-1432-1-S1 N65-35542
- MANNED AIRCRAFT
SA X-15 AIRCRAFT
- MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED
AIRCRAFT AT LOW ALTITUDE N65-28454
- MANNED ORBITAL LABORATORY /MOL/
MEDICAL ASPECTS OF MANNED ORBITAL LABORATORY /MOL/
CONSIDERING MISSION DURATION IN ORBIT, PHYSICAL
CAPABILITIES, LIFE SUPPORT AND WEIGHTLESSNESS
A65-14575
- INSTRUMENTATION FOR BIOMEDICAL TESTS USEFUL TO AIR
FORCE MANNED ORBITING LABORATORY PROGRAM IN
MEASURING SPACE FLIGHT STRESSES A65-80549
- APOLLO PROGRAM AND MANNED ORBITING SPACE STATIONS
A65-81281
- MANNED ORBITAL RESEARCH LABORATORY /MORL/
APOLLO PROGRAM AND MANNED ORBITING SPACE STATIONS
A65-81281
- MANNED ORBITAL SPACE STATION /MOSS/
ENVIRONMENTAL CONTROL SYSTEM INTEGRATION FOR
MANNED SPACE STATION
SAE PAPER 912C A65-12909
- CREW PERFORMANCE INTEGRATION INTO OPTIMUM-
RELIABILITY DESIGN OF MANNED SPACE STATION
A65-22704
- MANNED SPACE FLIGHT
SA SPACE FLIGHT STRESS
- OPTIMIZATION LOGISTICS PLANNING FOR IN FLIGHT
PHYSIOLOGICAL EXPERIMENTS DURING MANNED SPACE
FLIGHT A65-10540
- GEMINI MEDICAL EXPERIMENTS FOR DETERMINING
WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED
SPACEFLIGHT A65-10639
- ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733
- CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE
ROCKET BI-PROPELLANTS FOR LIFE SUPPORT, INCLUDING
ATMOSPHERE AND CONTAMINANT CONTROL A65-14234
- WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL
CELLS DURING LONG TERM SPACE FLIGHT A65-14380
- BIOASTRONAUTICS AND AEROSPACE MEDICINE RESEARCH
APPLICATIONS IN MANNED SPACE PROGRAMS AND IN
EARTH ENVIRONMENT A65-14524
- WEIGHTLESSNESS EFFECTS ON CIRCULATORY FUNCTIONS
FOR VARIOUS ACTIVITY LEVELS DETERMINED FROM SPACE
SIMULATOR, BED REST AND MANNED FLIGHT STUDIES
A65-14528
- INTERNATIONAL RESEARCH ON ANIMAL ROLE AS PRECURSOR
FOR MAN IN SPACE A65-14809
- MANNED SPACEFLIGHT ANALYTICAL INSTRUMENTATION USES
DESIGN TRADEOFF OF REDUCTION IN SIZE WITH LOSS OF
VERSATILITY
AICE PREPRINT 54E A65-15227
- GEMINI FLIGHT MEDICAL PROGRAM TO PREPARE
ASTRONAUTS FOR EXTRAVEHICULAR ACTIVITY IN ORBIT
A65-20240
- BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN
LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT
A65-21025
- SPACECREW PHYSICAL EXERCISE REQUIREMENT EFFECTS ON
SYSTEM DESIGN AND MISSION SUCCESS A65-21208
- GEMINI BIOINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM
IN FLIGHT A65-21499
- INTEGRATED MISSION SIMULATION TECHNIQUE TESTS
PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR
MISSION
AIAA PAPER 65-275 A65-22125
- NAVIGATION AND CONTROL SIMULATION PORTION OF
OVERALL MANNED SPACE CABIN TEST PROGRAM
AIAA PAPER 65-277 A65-22167
- LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION
EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH
EARTH ATMOSPHERE PARALLELED TO MANNED SPACE
FLIGHT A65-26437
- TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
- BIOECOLOGICAL AND BIOMEDICAL MONITORING FOR DESIGN
OF HEALTH SURVEILLANCE SYSTEMS FOR ASTRONAUTS IN
SPACE A65-26746
- SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE
FOR SPACE FLIGHT A65-29103
- SPACECRAFT STERILIZATION CONSIDERATION IN DESIGN
OF MANNED INTERPLANETARY SPACE VEHICLES
AIAA PAPER 65-503 A65-30214
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON
LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN
MAY 1964 A65-30671
- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE A65-30672
- RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS A65-30674
- PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE
FLIGHT PROGRAM BASED ON PROJECT MERCURY AND
GEMINI MISSIONS A65-31105
- MARSHALL SPACE FLIGHT CENTER PROGRAM TO UPGRADE
SPACE VEHICLE RELIABILITY BY MOTIVATING PERSONNEL
TO REDUCE MISTAKES AND MALFUNCTION OF EQUIPMENT
A65-31574
- LIFE SUPPORT SYSTEM REQUIREMENTS FOR MANNED SPACE
MISSIONS PRESENTING SYNTHETIC CLOSED ECOLOGICAL
SYSTEM A65-31672
- BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF
MANNED SPACE FLIGHTS TO MOON FROM SOVIET
EXPERIMENTAL STUDIES AND DATA A65-33034
- SPACE RADIATION, WEIGHTLESSNESS AND ANGULAR
VELOCITY EFFECTS ON HUMAN BEINGS, NOTING TERMINAL
PHASE CONDITIONS A65-33280
- MAMS ADAPTATION TO WEIGHTLESSNESS, NOTING
ASTRONAUT VULNERABILITY AND REQUIREMENT OF MEDICAL
CARE IN SPACE A65-35107

VIGILANCE DEFINED AS PROBABILITY OF DETECTING
SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN
MANNED SPACEFLIGHT A65-35484

INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION
FOR MANNED SPACE FLIGHT A65-35485

VESTIBULAR SIMULATION EFFECTS ON VISUAL PERCEPTION
FROM MANNED SPACE FLIGHT A65-35486

PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS A65-36232

MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087

MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN A65-80137

LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS
IN OPERATOR OUTPUT CHARACTERISTICS A65-80139

CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY A65-80143

CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED
REST IN RELATION TO MANNED SPACE FLIGHT A65-80145

INTERPLANETARY VOYAGES - REASONS FOR AND NECESSITY
OF MANNED INTERPLANETARY FLIGHT A65-80296

EFFECTS OF WEIGHTLESSNESS AND ACCELERATION ON
VARIOUS PHYSIOLOGICAL FUNCTIONS AND USE OF
ARTIFICIAL GRAVITY DURING PROLONGED FLIGHTS A65-80299

PROBLEM OF BLADDER CALCULUS FORMATION AND
DECREASED URINARY FLOW IN MANNED SPACE FLIGHT A65-80353

OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM
EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY
CHANGING POSITIONS OF ASTRONAUTS AND USING
INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS A65-80412

MECHANICAL, MEDICAL, AND MORAL PROBLEMS RELATED TO
MANNED SPACE FLIGHT A65-80435

EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE
COMMUNICATION IN MANNED DEEP SPACE FLIGHT A65-80528

HYPOXIA AS ANTI-PHYSICAL DECONDITIONING FACTOR FOR
MANNED SPACE FLIGHT A65-80579

HISTORY AND POPULAR ACCOUNT OF DEVELOPMENT AND
OPERATIONS OF APOLLO PROJECT A65-80584

RADIATION SAFETY INFORMATION FOR USE IN
ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE
SYSTEMS A65-80633

ROLE OF MAN IN EXPLORATION OF SPACE A65-80813

IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT,
SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842

BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN
WEIGHTLESSNESS DURING MANNED SPACE FLIGHT A65-80920

AEROSPACE MEDICINE AND PROBLEMS IN MANNED SPACE
FLIGHT A65-80935

ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL
BODIES AND STRESSES ENCOUNTERED BY MAN DURING

SPACE TRAVEL A65-80949

PHYSIOLOGICAL EFFECT OF WEIGHTLESSNESS ON HUMAN
ORGANISM A65-80980

STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984

MEDICAL PROBLEMS OF HUMAN ENGINEERING IN MANNED
SPACE FLIGHT A65-81103

DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198

OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN
SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81199

SPACEFLIGHT SIMULATORS FOR ASTRONAUT SELECTION AND
TRAINING A65-81276

PHYSIOLOGICAL RESPONSES DURING FIRST SOVIET
SPACECRAFT RENDEZVOUS IN FLIGHT A65-81301

LIFE SUPPORT SYSTEMS IN MANNED SPACE FLIGHT
OPERATIONS A65-81306

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT A65-81325

TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAIEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT A65-81387

SECOND INTERNATIONAL SYMPOSIUM ON BASIC
ENVIRONMENTAL PROBLEMS OF MAN IN SPACE A65-81549

CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT A65-81554

PHARMACOLOGICAL SUPPORT BY USING DRUGS FOR MAN ON
LONG SPACE FLIGHTS A65-81630

ULTIMATE GOALS FOR MANNED SPACE EXPLORATION A65-81638

PSYCHOLOGICAL FACTORS AND ASTRONAUT PERFORMANCE IN
SPACE TRAVEL A65-81791

PSYCHOPHYSIOLOGICAL HAZARDS OF MANNED SPACE
FLIGHT A65-81792

MANNED SPACE FLIGHT - REVIEW OF PROBLEMS OF SENSOR
DEPRIVATION, ADAPTATION AND PHYSICAL HAZARDS A65-81832

PHYSICAL BARRIERS AND LIMITATIONS IN SPACE
EXPLORATION A65-81834

EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO
EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION
DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE
SYSTEMS A65-81851

LIFE SUPPORT SYSTEMS IN SPACE MISSIONS A65-81854

PROBLEMS OF NOISE HAZARD DURING SPACE FLIGHT AND
IN JET PLANES A65-81925

REVIEW OF PHYSIOLOGY AND PATHOLOGY OF
GASTROINTESTINAL TRACT AS RELATED TO SPACE FLIGHT
CONDITIONS A65-82001

RECORDING OF PHYSIOLOGICAL FUNCTIONS DURING
INTERPLANETARY FLIGHTS, MEDICAL SUPPORT AND
BIOTELEMETRY A65-82076

HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS A65-82318

EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS SAM-TDR-64-41 N65-10014

SUBJECT INDEX

MANNED SPACE FLIGHT CONTO

BIOLOGICAL STRESSES AND HAZARDS IN MANNED SPACE FLIGHT
NASA-CR-59405 N65-10045

EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641

RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL FLIGHTS
FTD-TT-63-1017/1 N65-10877

PHYSIOLOGICAL TELEMETRY ON MANNED SPACE FLIGHTS
N65-13630

EVALUATING ASTRONAUT CONDITION AND ACTIVITY IN PROLONGED SPACE FLIGHT
NASA-TT-F-271 N65-13965

LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS
NASA-CR-60273 N65-15187

TEST PROGRAM FOR MANNED ORBITAL FLIGHT
SSD-TDR-64-213, V. 3, APP. I-B N65-15580

HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR SPACE OPERATIONS
N65-16613

HUMAN ENGINEERING FOR PROLONGED SPACE FLIGHTS
AD-608798 N65-16793

PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE FLIGHT
NASA-TT-F-9257 N65-18180

FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569

NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT
N65-18572

MANNED SPACE FLIGHT GOALS AND PHILOSOPHY
N65-18573

NUTRITION AND STRESSES OF SHORT TERM SPACE FLIGHT
N65-18575

HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED SPACE FLIGHTS
N65-18576

CALORIC REQUIREMENTS FOR MANNED SPACE FLIGHTS
N65-18578

PROTEINS IN MANNED SPACE FLIGHT NUTRITION
N65-18579

MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON MANNED SPACE FLIGHTS
N65-18580

HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED SPACE FLIGHTS
N65-18581

DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR SPACE FLIGHT NUTRITION
N65-18583

PHOTOSYNTHESIS AS REGENERATION SYSTEM FOR SPACE FLIGHT
N65-18591

PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE FLIGHT
N65-18593

ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT
N65-18594

BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS, WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN MEDICOBIOLOGY
JPRS-29069 N65-18784

PROLONGED STAY IN PRESSURIZED CHAMBER IN PREPARATION FOR SPACE FLIGHT - LABORATORY EXPERIMENTS
N65-18785

MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT
N65-18787

SELECTION OF COMPATIBLE CREW FOR INTERPLANETARY

SPACE FLIGHT - PSYCHOLOGY
JPRS-29217 N65-19540

SOVIET BIOASTRONAUTIC AND MANNED SPACE FLIGHT - LITERATURE SURVEY
ATD-P-65-14 N65-19785

MEDICAL ASPECTS OF MANNED SPACE FLIGHT
EP-17 N65-19947

REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE REMOVAL FROM MANNED SPACE CAPSULE
AMRL-TR-64-119 N65-20529

MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE ON MANNED SPACE FLIGHT TECHNOLOGY
NASA-CR-199 N65-21226

BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS RESULTING FROM VOSKHOD MANNED SPACE FLIGHT
JPRS-29800 N65-22116

SOVIET BIOASTRONAUTICS RESEARCH AND MANNED SPACE FLIGHT PROGRAM
N65-22655

MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY, AND SPACE SUITS - U.S.S.R. SPACE PROGRAM
JPRS-29998 N65-23777

AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE CABIN SIMULATOR, AND DYNAMIC RESPONSE
AD-612636 N65-25895

COMPILATION OF REPORTS ON MANNED SPACE FLIGHT, GENETICS, AND CYTOLOGY - BIOLOGICAL CELL
JPRS-30944 N65-28286

BIOLOGICAL EVALUATION OF DANGER FROM COSMIC RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288

X-15 PROGRAM AND MERCURY PROJECT MANNED SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT
N65-28453

MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT
N65-29750

MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS
NASA-CR-65072 N65-30921

BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR EARTH TO MOON MANNED SPACE FLIGHTS
NASA-TT-F-9458 N65-32265

PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF MANNED SPACE FLIGHT PROGRAM
N65-32679

TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR MANNED SPACE FLIGHTS
NASA-TN-D-2695 N65-33350

EFFECTS OF SENSORY DEPRIVATION ON SPACE TRAVEL - SENSORY, PERCEPTUAL, AND PHYSIOLOGICAL ASPECTS
N65-33628

PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES - MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON EARTH
N65-33629

HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN
N65-33630

SIMULATION OF CLOSED ATMOSPHERES FOR SPACE FLIGHTS
N65-33631

ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY OF MAN DURING ORBITAL SPACE FLIGHT
NASA-TM-X-57000 N65-34428

RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT

- N65-34581
- MANNED SPACECRAFT**
 SA APOLLO SPACECRAFT
 SA GEMINI SPACECRAFT
 SA UNMANNED SPACECRAFT
 SA VOSKHOD MANNED SPACECRAFT
- MANNED SPACECRAFT OXYGEN REQUIREMENTS, CRYOGENIC STORAGE, PRODUCTION AND TWO-GAS ATMOSPHERES
 A65-14381
- MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE
 AIAA PAPER 64-393
 A65-14698
- ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON DIMENSIONAL ANALYSIS AND MODEL THEORY
 A65-19839
- MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE WATER FROM URINE, WASH WATER AND HUMIDITY CONDENSATES BY ELECTRODIALYSIS
 ASME PAPER 65-AV-16
 A65-23224
- MANNED ORBITAL AND LUNAR BASE HABITABILITY REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION, HYGIENE, GRAVITATION AND WORK-REST CYCLE
 A65-23642
- MANNED SPACE CABIN SIMULATOR FOR TESTS TO EVALUATE ADVANCED LIFE SUPPORT SYSTEMS OPERATION AND MAINTENANCE
 AIAA PAPER 65-502
 A65-30218
- UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION SYSTEMS
 SAE PAPER 650811
 A65-34697
- LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR MANNED SPACECRAFT
 A65-35487
- MANNED SPACECRAFT FOR SURVEILLANCE AND RECONNAISSANCE USING UNAIDED VISION AND MAN-PERISCOPE VISION
 A65-35489
- VISUAL CAPABILITIES IN ACQUISITION, HOMING AND DOCKING PHASES OF SPACECRAFT RENDEZVOUS
 A65-35491
- PROBLEMS OF ENVIRONMENTAL CONTROL IN CLOSED SPACE VEHICLE
 A65-81038
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON VOSTOK SPACECRAFT
 N65-13657
- MEDICAL AND PHYSIOLOGICAL RESEARCH DURING MANNED FLIGHTS ABOARD VOSKHOD AND VOSTOK SPACECRAFT
 N65-14599
- BIOENGINEERING - SPACECRAFT ACCELERATION SIMULATION BY HUMAN CENTRIFUGE
 N65-16603
- TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS
 LR-17744
 N65-20120
- REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE REMOVAL FROM MANNED SPACE CAPSULE
 AMRL-TR-64-119
 N65-20529
- RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY AND TECHNIQUES AND CONTROLS TO INSURE SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
 REPT.-546-M
 N65-23007
- FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL CONTROL SYSTEM
 STL-9990-6397-RU-000
 N65-27158
- REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR MEASURING CHARACTERISTICS OF PHYSICAL ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY
 N65-30381
- POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION OF HABITABLE GASES - MANNED SPACECRAFT
- APPLICATION**
 AMRL-TR-65-26
 N65-30853
- MANUAL CONTROL**
 SPACE VEHICLE MANUAL THREE-AXIS ATTITUDE CONTROL USING VECTOR RETICLE OR CONTROL ACTION DISPLAY
 A65-20953
- CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN CONTROL SITUATIONS LIMITED TO USE OF VISUAL VESTIBULAR SENSING OF MOTION
 A65-22032
- HUMAN TRACKING ABILITY FOR RECTANGULAR WAVES ON DISPLAY USING HAND OR FOOT
 A65-31344
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM
 A65-35474
- MANUAL CONTROL METHODOLOGY - STUDY WITH ANNOTATED BIBLIOGRAPHY
 NASA-CR-125
 N65-11019
- ANTHROPOMETRIC STUDIES - GRASPING-REACH CAPABILITY AS GUIDE TO EQUIPMENT DESIGN
 AMRL-TDR-64-59
 N65-11895
- MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING VEHICLE DURING ORBIT, RETROCKET FIRING, AND REENTRY INTO EARTH ATMOSPHERE
 NASA-TM-X-359
 N65-12802
- MANUAL CONTROL OF TWO-AXIS TRACKING
 NASA-CR-60697
 N65-16810
- FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM SELF-PACED MANUAL TASKS - CYBERNETICS
 NASA-TN-D-2665
 N65-17329
- BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER SIMULATION AND SERVOANALYSIS
 NASA-CR-190
 N65-19261
- MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE ON MANNED SPACE FLIGHT TECHNOLOGY
 NASA-CR-199
 N65-21226
- COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING - PILOT FACTORS PROGRAM
 REPT.-1-64
 N65-21258
- FEASIBILITY OF MANNED PARTICIPATION IN CONTROL OF LARGE LAUNCH VEHICLE
 NASA-TN-D-2807
 N65-23166
- PRELIMINARY ANALYSIS OF EXPERIMENTAL DATA IN MANUAL CONTROL SYSTEMS STUDY
 NASA-CR-64578
 N65-36433
- OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND CONTROLLED REENTRY VEHICLES
 NASA-CR-331
 N65-36773
- MARKOV CHAIN**
 MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED CHOICE TASK
 A65-14150
- DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV CHAINS OF SIGNALS
 NASA-CR-57928
 N65-21340
- MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES IN LIFE SCIENCES AND HUMAN ENGINEERING
 AMRL-TR-65-3
 N65-22477
- MARS /PLANET/**
 LIMONITE ENVIRONMENT MAY PROVIDE ECOLOGICAL BASIS FOR RESPIRATORY AND PHOTOSYNTHETIC MARTIAN ORGANISMS
 A65-30684
- SOME FORMS OF LIFE FOUND ON EARTH WHICH CAN SURVIVE CONDITIONS THOUGHT TO EXIST ON MARS
 A65-81013

SUBJECT INDEX

MASS BALANCE

- CHARACTERISTICS OF MARS AND POSSIBILITY OF
EXISTENCE OF LIFE A65-81018
- SUBSURFACE MARINE BIOSPHERE ON MARS A65-81583
- PROPOSED BIOLOGICAL EXPLORATION OF MARS BETWEEN
1969 AND 1973 A65-81683
- PHYSICAL BASIS FOR EXTRATERRESTRIAL LIFE DETECTION
AND USE ON MARS A65-81737
- LIFE-DETECTION INSTRUMENTATION DEVELOPMENTS IN
CARRYING OUT BIOLOGICAL EXPLORATION ON MARS A65-81927
- JUSTIFICATION FOR DESIGNING LIFE DETECTION
EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON
KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS
OF BIOLOGICAL MATERIAL A65-82217
- NASA PROGRAM FOR BIOLOGICAL EXPLORATION OF MARS AS
SUGGESTED BY NATIONAL ACADEMY OF SCIENCES SPACE
SCIENCE BOARD A65-82219
- MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING
NASA-CR-57724 N65-20753
- BIOLOGICAL EXPLORATION OF MARS
NASA-CR-64337 N65-30839
- MARS ATMOSPHERE
MARTIAN CONDITIONS SIMULATED FROM ASTROPHYSICAL
DATA FOR MICROBIOLOGICAL INVESTIGATIONS A65-30682
- MARS ATMOSPHERE PROBLEMS RELATED TO CHEMICAL
COMPOSITION AND PHYSICAL PROPERTY A65-80869
- OBSERVATIONS OF WATER VAPOR ON MARS AND VENUS FROM
BALLOONS AND MOUNTAINS A65-80891
- ABSORPTION INTENSITY OF CARBON DIOXIDE BANDS AND
MARTIAN CARBON DIOXIDE ABUNDANCE AND ATMOSPHERIC
PRESSURE AS BASE OF DESIGN FOR MARS ENTRY VEHICLE A65-82273
- MARS ENVIRONMENT
AUTOMATED BIOLOGICAL LABORATORY FOR DETECTION
AND CLASSIFICATION OF LIFE ON MARS A65-19518
- LEVEL OF SPACECRAFT STERILITY REQUIRED TO AVOID
BIOLOGICAL CONTAMINATION OF MARS A65-24224
- CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE
MARTIAN CONDITIONS FOR MICROBIOLOGICAL
INVESTIGATIONS A65-25099
- EXTRATERRESTRIAL LIFE DETECTION ON MARS USING
UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC
PHYSICAL AND CHEMICAL TESTS A65-26739
- MARTIAN LIFE DEPENDS ON CHEMOGENY, BIOGENY,
COGNOGENY, SIMILARITY AND DISSIMILARITY TO EARTH
AND PHYSICAL AND CHEMICAL ENVIRONMENT A65-28200
- RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN
ENVIRONMENT INVESTIGATED, USING CULTURE
COLLECTIONS AND SOIL SAMPLES A65-30676
- ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS
DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS
SIMULATOR A65-30683
- MARS COLOR CHANGES EXPLAINED ON BASIS OF PHYSICAL
MODEL A65-81159
- MARS ENVIRONMENTAL FACTORS SUGGESTING BIOLOGICAL
POSSIBILITIES AND LIFE DETECTION EQUIPMENT TO
PREVENT CONTAMINATION A65-82218
- GROWTH RESPONSE OF BACILLUS CEREUS AND SUBTILIS
CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT
WITH FREEZE CYCLES OF DIFFERENT DURATIONS
NASA-CR-62829 N65-24294
- EFFECTS OF DIFFERENT FREEZE CYCLES ON BACILLUS
CEREUS AND BACILLUS SUBTILIS IN SIMULATED
MARTIAN ENVIRONMENT
NASA-CR-64577 N65-32032
- MARS SPACECRAFT
ABSORPTION INTENSITY OF CARBON DIOXIDE BANDS AND
MARTIAN CARBON DIOXIDE ABUNDANCE AND ATMOSPHERIC
PRESSURE AS BASE OF DESIGN FOR MARS ENTRY VEHICLE A65-82273
- MARS SURFACE
EXTRATERRESTRIAL LIFE, REVIEWING EVIDENCE IN
METEORITE AND EXAMINING MEANING OF MARKINGS ON
MARS A65-10728
- CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS
CONSIDERING DATA TRANSMISSION LIMITATION, LOW
SCIENTIFIC PAYLOAD, LANDING IMPACT AND
CONTAMINATION A65-10729
- ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585 N65-20625
- MASK
SA OXYGEN MASK
- DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED
RESPIRATION IN INTACT ANIMALS A65-80765
- CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY
GAS MASKS AND PROTECTIVE CLOTHING
FTD-TT-64-998/1&2 N65-20024
- MASKING
VARIATIONS IN BINAURAL-MASKED THRESHOLD OF 500-CPS
TONE MASKED BY RANDOM NOISE AS FUNCTION OF
SIMULTANEOUS SHIFTS IN INTERAURAL AMPLITUDE RATIO
AND TIME DELAY OF TONE A65-29975
- PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING
OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE
BACKGROUND A65-29976
- DIFFERENCE IN PROCESS OF MASKING WITH BRIGHT LIGHT
FLASH OR BY PATTERNS A65-80794
- TEMPORAL AND SPATIAL VISUAL MASKING - MASKING BY
IMPULSE FLASHES A65-81015
- FIGURE-GROUND CONTRAST AND CONTOUR ORIENTATION ON
FIGURAL MASKING A65-81439
- TIME INTENSITY RELATIONS IN BINAURAL UNMASKING-
INTERAURAL AMPLITUDE, THEORETICAL PREDICTIONS AND
LATERALIZATION A65-81741
- MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
SIGNIFICANCE IN AUDIOMETRY A65-81770
- FORCED-CHOICE METHOD FOR USE IN BACKWARD-MASKING
STUDIES WITH DISC-RING PATTERN A65-81960
- BONE-CONDUCTED TONES MASKED BY AIR-CONDUCTED NOISE
A65-82023
- REINTERPRETATION OF ONE FORM OF BACKWARD AND
FORWARD MASKING IN VISUAL PERCEPTION A65-82233
- FORWARD AND BACKWARD MASKING IN VISUAL PERCEPTION
A65-82285
- U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE A65-82286
- CONTRIBUTION OF PERCEPTUAL SEGREGATION TO
RELATIONSHIP BETWEEN STIMULUS SIMILARITY AND
BACKWARD MASKING. A65-82332
- VISUAL MASKING USING VARIOUS TEST STIMULUS
PATTERNS
NASA-TM-X-51978 N65-29381
- MASS BALANCE
MATHEMATICAL MODEL OF HUMAN BODY PREDICTING ITS
INERTIAL PROPERTIES IN ANY FIXED BODY POSITION,
INCLUDING LOCATION OF MASS CENTER

- AIAA PAPER 65-498 A65-30202
- MASS FLOW RATE**
 VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE
 SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES
 FROM MANNED CHAMBER TESTING A65-10831
- MASS SPECTROMETER**
 SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL
 PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS
 SPECTROMETER METHOD A65-80627
- MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN
 RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT
 MASS SPECTROMETER
 AMRL-TR-64-84 N65-12974
- MASS SPECTROMETRY**
 EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
 CHROMATOGRAPHY AND MASS SPECTROMETRY A65-15153
- EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
 CHROMATOGRAPHY AND MASS SPECTROMETRY A65-22137
- ABIOTIC FORMATION OF CARBON COMPOUNDS IN
 ORGUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS
 CHONDRITES SUGGESTED BY MASS SPECTROMETRY A65-82013
- MASS TRANSFER**
 SA ENERGY TRANSFER
- ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
 TRANSFER IN SPACE SUIT
 NASA-CR-63144 N65-25269
- MATERIAL**
 S INTERSTELLAR MATERIAL
 S ORGANIC MATERIAL
 S PLASTIC MATERIAL
 S RADIOACTIVE MATERIAL
 S STRUCTURAL MATERIAL
- MATERIAL TESTING**
 SA ENVIRONMENTAL TESTING
 SA FAILURE
- DEGASSING CHARACTERISTICS OF MATERIALS AND
 SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL
 EVALUATION TECHNIQUE A65-23617
- MATHEMATICAL MODEL**
 MATHEMATICAL DESCRIPTION OF INPUT-OUTPUT BEHAVIOR
 OF HUMAN OPERATOR ACTING AS ELEMENT IN CLOSED LOOP
 CONTROL SYSTEM A65-25202
- MATHEMATICAL MODEL OF HUMAN BODY PREDICTING ITS
 INERTIAL PROPERTIES IN ANY FIXED BODY POSITION,
 INCLUDING LOCATION OF MASS CENTER
 AIAA PAPER 65-498 A65-30202
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
 APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
 IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM A65-35474
- INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS
 ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW
 DETECTION METHOD A65-80390
- DECISION-MAKING SUCCESS RELATED TO LEADERSHIP IN
 SMALL GROUPS - MATHEMATICAL APPROACH A65-80790
- THEORETICAL ASPECTS OF ROLE OF ANGULAR
 ACCELERATION IN VESTIBULAR STIMULATION A65-82304
- MATHEMATICAL MODEL FOR PREDICTING INERTIAL
 PROPERTIES OF HUMAN BODY
 GA/PHYS/64-3 N65-12133
- MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN
 NEURAL PROCESSES OF EXCITATION AND INHIBITION
 N65-14579
- TECHNIQUES FOR PARAMETER DETERMINATION IN
- MATHEMATICAL MODELS OF HUMAN PILOT
 NASA-CR-143 N65-14848
- BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR
 HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER
 SIMULATION AND SERVOANALYSIS
 NASA-CR-190 N65-19261
- PROBABILISTIC MODEL FOR FREE RESPONDING
 AFOSR-65-0288 N65-22808
- PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION
 FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN
 MALE - MATHEMATICAL MODEL
 RM-4347-PR N65-23037
- IRRADIATION OF YEAST FOR TESTING MATHEMATICAL
 MODEL FOR REMOVAL OF EFFECTIVE DOSE -
 PHOTOREACTIVATION OF CELLS IRRADIATED BY
 ULTRAVIOLET N65-26386
- NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF
 CIRCULATORY SYSTEM
 HDL-TR-1244 N65-28236
- MATHEMATICAL MODEL USED TO EXAMINE
 PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS
 IN WHICH HUMAN BODY CONTROLS FLUID AND
 ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
 RM-4609-PR N65-31199
- MATHEMATICAL MODELS FOR DETERMINING
 COMBINATIVE CAPABILITIES RELATED TO GENETICS
 JPRS-31830 N65-32760
- MATHEMATICAL LOGIC AND PROBABILITY THEORY OF
 CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
 JPRS-31926 N65-32762
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
 SYSTEM AND OBSERVATIONS OF MAMMALIAN
 MICROCIRCULATION
 NASA-CR-67225 N65-35105
- OPERATION OF MATHEMATICAL MODEL OF
 BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
 DATA PROCESSING SYSTEM
 NSAM-915 N65-36249
- MATHEMATICS /GEN/**
 METHOD OF CALCULATING TOTAL HEAT
 LOSS IN HOMIOOTHERMIC ORGANISM A65-80231
- LIMITING FACTORS IN PHOTOSYNTHETIC YIELD IN ALGAE
 GROWN UNDER NATURAL ECOLOGICAL CONDITIONS
 A65-80377
- COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY
 USE OF EXPONENTIAL FORMULA A65-80803
- THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON
 RETINA OF EYE BY RADIATION - MATHEMATICAL
 THEORY
 FPRC/1222 N65-23616
- MATHEMATICS, BIONICS, BIOPHYSICS, AND CYBERNETICS
 FOR DEVELOPMENT OF BIOLOGICAL MODELS
 JPRS-30177 N65-24064
- BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE
 RATE DERIVED MATHEMATICALLY AND APPLIED TO
 SEMICONDUCTOR AND CANCER PROBLEMS - LIFE
 SURVIVAL TEST
 ORC-64-32/RR/ N65-24362
- MATHEMATICAL METHODS APPLIED TO AVIATION AND SPACE
 MEDICINE - SUMMARY OF REPORTS GIVEN AT
 CONFERENCE
 NASA-TT-F-374 N65-33364
- MATRIX ANALYSIS**
 REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
 OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
 AD-609676 N65-29152
- MEASUREMENT**
 S BODY MEASUREMENT /BIOL/
 S DEPTH MEASUREMENT
 S DOSIMETRY

SUBJECT INDEX

MECHANICAL PROPERTY

- S ELECTRIC MEASUREMENT A65-81971
 S FREQUENCY MEASUREMENT
 S IMPEDANCE MEASUREMENT
 S NOISE MEASUREMENT
 S OPTICAL MEASUREMENT
 S PRESSURE MEASUREMENT
 S PROFICIENCY MEASUREMENT
 S PSYCHOMETRICS
 S RADIATION MEASUREMENT
 S SIGNAL MEASUREMENT
 S SOUND MEASUREMENT
 S SPECTROMETRY
 S TEMPERATURE MEASUREMENT
- MEASURING APPARATUS**
 METHODS FOR MEASURING AND REGISTERING EYE TREMOR A65-80046
 COMPARISON OF TWO METHODS FOR MEASURING AUDITORY ADAPTATION BY MEANS OF BEKESY AUDIOMETER A65-80199
 EVALUATION AND PREDICTION OF PHYSICAL FITNESS IN MEN OF DIFFERENT AGES USING MODIFIED APPARATUS OF HARVARD STEP TEST A65-80209
 APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS A65-80266
 METHOD FOR MEASURING RESPIRATORY COMPLIANCE IN NORMAL HUMAN MALE A65-80308
 MEASUREMENT OF LUNG DIFFUSING CAPACITY IN CYCLICALLY AND CONTINUOUSLY VENTILATED CLOSED SYSTEMS A65-80309
 MEASURING LUNG DIFFUSION CAPACITY USING REBREATHING METHOD IN SUBJECTS WITH NONUNIFORM VENTILATION A65-80310
 MEASUREMENT OF METEOROID ENVIRONMENT FROM EXPLORER XVI SATELLITE A65-80399
 AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION AND COULTER COUNTER A65-80427
 SLIDE RULE FOR CALCULATING SINGLE-BREATH DIFFUSING CAPACITY FOR CARBON MONOXIDE A65-80512
 APPARATUS FOR MEASUREMENT OF DYNAMIC VISUAL ACUITY A65-80574
 SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS SPECTROMETER METHOD A65-80627
 RADIATION LOAD BY DIRECT SUN RADIATION AND SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY A65-80909
 DIGITAL INTEGRATOR FOR ON-LINE PULMONARY COMPLIANCE MEASUREMENTS A65-81154
 IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND VENTILATION OF SUBJECTS IN STANDING, SITTING, AND SUPINE POSITIONS A65-81179
 RAPID ESTIMATION OF PLASMA CARBON DIOXIDE TENSION FROM PH AND TOTAL CARBON DIOXIDE CONTENT A65-81282
 CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR ARTERIAL BLOOD ANALYSIS A65-81492
 GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY A65-81610
 RELATIONSHIP BETWEEN FOUR METHODS OF STUDYING CUTANEOUS BLOOD CIRCULATION A65-81633
 PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM VARIOUS WEAPON SYSTEMS A65-81682
 MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES
- MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT OBSERVATION A65-82289
 MEASUREMENT OF MUSCLE OXYGEN CONSUMPTION DURING STATIC INTERMITTENT AND DYNAMIC WORK BY OPEN CIRCUIT METHOD A65-82314
 DEVICE FOR MEASURING SIMULTANEOUS FLEXION STRENGTH OF BOTH WRISTS A65-82335
 NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN SERUM, PAROTID FLUID, AND URINE DURING WEIGHTLESSNESS A65-82359
 FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL METEORITE **ORGANIZED ELEMENTS** WITH MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR ORGANISMS OF EARTH ORIGIN A65-82366
 TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF MECHANICAL QUANTITIES IN PHYSIOLOGICAL INVESTIGATIONS FTD-TT-63-1192/164 N65-10284
 PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V AND VOSTOK V I SPACECRAFT N65-12734
 CARDIOLOGY - CLINICO-INSTRUMENTAL INVESTIGATION OF MITRAL DISEASE JPRS-30490 N65-25669
 MODIFIED TWO CHANNEL, INK SCRIBING ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT FOR RECORDING ELECTRO-OSCILLOGRAMS N65-25673
 ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF HEMODYNAMIC AND METABOLIC PARAMETERS DURING PROLONGED WEIGHTLESSNESS NASA-CR-63915 N65-29147
 ELECTRONIC BLOOD PRESSURE MEASURING SYSTEM FOR MERCURY PROJECT NASA-CR-65057 N65-29782
 WEARABLE, WIRELESS OXIMETER WITH BLOOD PRESSURE MEASUREMENT CAPABILITY NASA-CR-64080 N65-30480
 BIOLOGICAL MEASUREMENTS IN SPACE - AUTOMATIC DEVICE - MONITORING DIGITAL COMPUTER - INFORMATION MEASURING SYSTEMS - SPACE BIOLOGY JPRS-31679 N65-31522
- MECHANICAL ENGINEERING**
 MECHANICAL, MEDICAL, AND MORAL PROBLEMS RELATED TO MANNED SPACE FLIGHT A65-80435
 MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE FOR HUMAN TOLERANCE FTD-TT-64-70/162 N65-16798
- MECHANICAL IMPEDANCE**
 HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-15537
 HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS MECHANICAL FORCE ENVIRONMENTS A65-17996
 MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION TO RANDOM VIBRATION AMRL-TR-64-91 N65-13999
- MECHANICAL PROPERTY**
 SA ELASTICITY
 SA FAILURE
 SA PERMEABILITY
 SA THERMAL STRESS
 CHEMICAL AND MECHANICAL ASPECTS OF REGULATION OF RESPIRATION A65-82019
 MECHANICAL PROPERTIES OF LUNGS AND THORAX AND CHEMICAL CONTROL OF RESPIRATION A65-82020

MECHANICAL SYSTEM

SUBJECT INDEX

- STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653
- MECHANICAL SYSTEM**
BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT A65-10544
- MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR
AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY
FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION A65-81520
- MECHANICS /GEN/**
SA BIOMECHANICS
SA FAULT MECHANICS
SA KINETICS
- EFFECT OF RESPIRATORY FREQUENCY ON PULMONARY
MECHANICS A65-81708
- MECHANICS OF WALKING, RUNNING AND JUMPING ON MOON
A65-81739
- MAN-MACHINE ANTHROPOMECHANIC SYNERGY DEPENDENCE
UPON COMMUNICATION N65-28451
- MECHANISM**
MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO
COMBINED EFFECTS OF IONIZING RADIATION AND
NONRADIATION FACTORS N65-31376
- MECHANISM OF COMBINED EFFECT OF VIBRATION AND
IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL
TISSUES OF RATS N65-31387
- MECHANIZATION**
ANALOG COMPUTER MECHANIZATION OF HODGKIN- HUXLEY
EQUATIONS OF ACTION POTENTIALS FOR GIANT SQUID
AXONS
AD-608156 N65-11667
- MECHANIZATION PROBLEMS OF INDUSTRIAL MANAGEMENT
N65-30279
- MECHANOGRAM**
CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS
ON OSCILLOGRAPHS
NASA-TT-F-9581 N65-35782
- MEDICAL ELECTRONICS**
SECOND NATIONAL BIOMEDICAL SCIENCES
INSTRUMENTATION SYMPOSIUM AT ALBUQUERQUE IN
MAY 1964 A65-10543
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM
AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5,
1964 A65-10722
- AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING
EAR AS CAUSE OF INSTABILITY A65-10738
- PHYSIOLOGICAL PARAMETER RESEARCH AND
INSTRUMENTATION DEVELOPMENT PHASES OF LONG RANGE
PROGRAM FOR IN-FLIGHT MONITORING IN FLIGHT
ENVIRONMENT A65-26166
- ENGINEERS ROLE IN REGARD TO BIOLOGICAL SCIENCES,
NOTING TREND IN EDUCATION A65-33501
- PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS A65-36232
- CYBERNETIC MACHINES IN MEDICINE - ELECTRONIC
COMPUTERS FOR DIAGNOSIS OF DISEASES
JPRS-29799 N65-22115
- MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIOELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- ELECTRONIC MEASURING APPARATUS TO DIAGNOSE
- STOMACH DISORDERS, ADRENAL CORTEX CONDITION IN
CARDIOVASCULAR AND METABOLIC DISORDER, AND
HORMONE CONCENTRATIONS
JPRS-30182 N65-24065
- RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE -
AEROSPACE MEDICINE
JPRS-30528 N65-25540
- MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY
NASA-CR-64601 N65-33128
- MEDICAL EQUIPMENT**
PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART
BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF
CLINICAL CORONARY ARTERY DISEASE A65-22904
- ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD
VOSKHOD I NOTING APPARATUS RECORDING
ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAM,
DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF
ASTRONAUTS A65-34946
- FLIGHT SURGEONS MEDICAL EQUIPMENT A65-80236
- ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL
N65-32587
- MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED
SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785
- MEDICAL PERSONNEL**
SA FLIGHT SURGEON
SA PHYSICIAN
- PATHOLOGISTS CONTRIBUTION TO AIRCRAFT ACCIDENT
INVESTIGATION SHOULD BE AIMED AT SAVING FUTURE
LIVES AS WELL AS ESTABLISHING CAUSE OF DEATH
A65-26000
- EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING
AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT
IN DYNA-SOAR PROGRAM A65-80135
- MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN
A65-80137
- MEDICAL SUPERVISION OF CREW MEMBERS AND BIOLOGICAL
ENVIRONMENT DURING SOVIET THREE-MAN SPACE FLIGHT
IN VOSKHOD I SPACECRAFT A65-80983
- CLINICAL ASPECTS OF AEROSPACE NURSING AND
EDUCATIONAL REQUIREMENTS OF NURSES A65-81374
- FLIGHT NURSE TRAINING FOR CONTINUOUS ORIENTATION
TO JOB RESPONSIBILITIES A65-81490
- LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING
INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN
EQUATORIAL AFRICA A65-81517
- LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY
AND CIVIL AVIATION USEFUL TO PATHOLOGISTS
A65-81540
- PROBLEMS OF IDENTIFICATION OF BODIES DURING
AUTOPSY OF AIRCRAFT ACCIDENTS A65-81586
- TEAM APPROACH TO MEDICAL MANAGEMENT OF
DECOMPRESSION SICKNESS IN AIRMEN A65-82033
- OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOD MANNED SPACECRAFT
JPRS-29911 N65-23053
- MEDICAL PHENOMENON**
MECHANICAL, MEDICAL, AND MORAL PROBLEMS RELATED TO
MANNED SPACE FLIGHT A65-80435
- MEDICAL CLIMATOLOGY - ASPECTS OF PHYSIOLOGY,

- NUTRITION AND BIOLOGY A65-80548
- MEDICAL MONITORING OF HEART RATE PATTERNS DURING VARIOUS FLIGHT STRESS SITUATIONS A65-81292
- NASA PROGRAM TO DEVELOP IN-FLIGHT MEDICAL MONITORING WITH COMPUTER TECHNIQUES FOR HANDLING DATA A65-81336
- MEDICAL PROGRESS
- CONTRIBUTIONS OF AEROSPACE MEDICAL RESEARCH TO EVERYDAY LIFE A65-80623
- BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS RESULTING FROM VOSKHOD MANNED SPACE FLIGHT JPRS-29800 N65-22116
- HUMAN ACCLIMATIZATION TO HOT CLIMATE CONDITIONS - MEDICAL RESEARCH JPRS-31463 N65-31717
- MEDICINE /GEN/
- SA AEROSPACE MEDICINE
- SA ANESTHESIOLOGY
- SA CASE HISTORY
- SA CLINICAL MEDICINE
- SA DENTISTRY
- SA GYNECOLOGY
- SA HISTOLOGY
- SA NEUROSCIENCE
- SA RADIATION MEDICINE
- SA RADIOLOGY
- ALGAE AND MAN - ECOLOGICAL, MEDICAL, BIOLOGICAL, AND INDUSTRIAL ASPECTS A65-80374
- RADIO TELEMETRIC STUDIES IN MEDICINE AND PHYSIOLOGY JPRS-27600 N65-12732
- ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE FLIGHT AND SUBMARINE MEDICINE JPRS-27767 N65-13417
- MEDICAL SERVICE FOR SOVIET CIVIL AVIATION N65-13634
- TRANSMISSION OF MEDICAL INFORMATION OVER TELEMETRY CHANNELS OF LIMITED CAPACITY N65-13640
- MEDICAL EXAMINATIONS OF FLIGHT PERSONNEL N65-13650
- ULTRASONICS IN MEDICINE JPRS-28255 N65-14709
- BIOLOGY AND MEDICINE REFERENCE INFORMATION AND DATA HANDBOOK AMRL-TR-64-100 N65-15790
- TRANSFER OF AEROSPACE TECHNOLOGY TO BIOMEDICINE NASA-CR-60635 N65-16932
- REGULATION OF VITAL FUNCTIONS AND CYBERNETICS - MEDICAL APPLICATIONS JPRS-29330 N65-20100
- ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN BIOLOGICAL AND MEDICAL RESEARCH TID-3580 N65-22098
- OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL REVIEW BNL-898 N65-23230
- SELECTED ARTICLES ON EXPERIMENTAL BIOLOGY AND MEDICINE JPRS-29980 N65-24227
- ARCTIC MEDICINE AND BIOLOGY - FROSTBITE N65-24301
- NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION, PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223
- MEDICAL SURVEY OF PEOPLE OF RONGELAP IN MARSHALL ISLANDS NINE AND TEN YEARS AFTER EXPOSURE TO RADIATION FALLOUT BNL-908/T-371/ N65-26295
- MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS NASA-CR-65072 N65-30921
- PROCEDURES FOR CYBERNETICS WITH APPLICATIONS TO MEDICAL SCIENCE JPRS-31712 N65-31857
- MATHEMATICAL LOGIC AND PROBABILITY THEORY OF CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS JPRS-31926 N65-32762
- MEDICAL INVESTIGATIONS ON VOSKHOD AND VOSKHOD II SPACECRAFT NASA-TT-F-9539 N65-33801
- BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN RATING SUBSYSTEM DESIGN CRITERIA AEDC-TR-65-179, VOL. II N65-34279
- BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND MEDICAL RESEARCH BNWL-115 N65-34703
- MELANIN
- RANDOM POLYMERS AS A MATRIX FOR CHEMICAL EVOLUTION - EXAMPLE OF MELANIN A65-80467
- RADIOPROTECTIVE ACTION OF MELANIN IN X-RAY RADIATION EXPOSURE IN MICE A65-80543
- MEMBRANE
- SA DIAPHRAGM
- SA EARDRUM
- SA ION EXCHANGE MEMBRANE
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMSELECTIVE SILICONE RUBBER MEMBRANE A65-10696
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMSELECTIVE SILICONE RUBBER MEMBRANE A65-33554
- QUANTITATIVE METHOD FOR STUDY OF MUCUS FLOW RATE IN HUMAN NOSE A65-82068
- RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE PERMEATION AMRL-TDR-64-73 N65-12040
- PERMEABILITY IN GAS-MEMBRANE-GAS SEPARATION SYSTEMS NASA-CR-51103 N65-16326
- COMPARATIVE HISTOLOGICAL STUDY OF REINFORCED AREA OF SACULAR MEMBRANE IN MAMMALS NASA-CR-60389 N65-19746
- MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS NASA-CR-63198 N65-25401
- ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM OF GREEN BACTERIA, ION CONCENTRATION RELATING TO SNAIL MEMBRANES, ELECTRICAL MODEL OF NERVE FIBER, AND PARAMECIUM MOVEMENT JPRS-31282 N65-32658
- EFFECT OF POTASSIUM ION CONCENTRATION ON ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES OF GRAPE SNAIL N65-32661
- RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE BONDS OF ADENOSINE TRIPHOSPHORIC ACID - STRUCTURE OF BIOLOGICAL MEMBRANES JPRS-32016 N65-34453
- MEMBRANE ANALOGY
- CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON A65-14831
- MEMBRANE THEORY
- ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER

MEMORY

SUBJECT INDEX

HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149

MEMORY

SA KINESTHESIS
SA LEARNING
SA PRACTICE
SA TRAINING

SHORT TERM MEMORY AND REACTION TIME - KEEPING
TRACK OF SEVERAL VARIABLES A65-80054

SHORT-TERM MEMORY AND RETROACTIVE INTERFERENCE IN
VISUAL PERCEPTION A65-80091

MEMORY FOR AURALLY AND VISUALLY PRESENTED MATERIAL
AS FUNCTION OF PRESENTATION RATE A65-80519

SEQUENTIAL ERROR IN TIME-SHARING MONITORING TASK
A65-80707

RECALL OF VISUAL SYMBOLS RELATED TO DIFFERENTIAL
VALUE, MEMORY LOAD, AND EXPOSURE TIME A65-80791

IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI
RELATED TO AGE A65-80864

AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS
AUDITORY AND VISUAL STIMULATION A65-80865

SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME
ESTIMATION, MEMORY, AND REACTION TIME A65-80951

METHAMPHETAMINE AND PENTOBARBITAL ON RUNNING
MEMORY SPAN FOR DIGITS A65-81211

RECOGNITION MEMORY FOR RANDOM SHAPES AS FUNCTION
OF COMPLEXITY, ASSOCIATION VALUE, AND DELAY A65-81342

AURAL CODING AND CLASSIFICATION IN SHORT-TERM
MEMORY A65-81932

SHORT-TERM MEMORY UNDER WORK-LOAD STRESS
A65-81979

VISUAL FIELD AND LETTER SPAN A65-81983

SHORT-TERM, PERCEPTUAL-RECOGNITION MEMORY FOR
TACHISTOSCOPICALLY PRESENTED NONSENSE FORMS A65-82056

PURSUIT ROTOR PERFORMANCE, REMINISCENCE,
INHIBITION, AND CONSOLIDATION A65-82107

REMINISCENCE - THREE FACTOR THEORY
A65-82108

AGE EFFECT ON SHORT-TERM STORAGE MEMORY AND SERIAL
ROTE LEARNING A65-82109

INFORMATION THEORY APPLICATION TO MEMORY AND
THOUGHT IN HUMAN INTELLECTUAL PERFORMANCE A65-82110

NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER
TWO CODING CONDITIONS A65-82113

CENTRENCEPHALIC THEORY AND INTERHEMISPHERIC
TRANSFER OF VISUAL HABITS A65-82216

ACOUSTIC FACTORS VERSUS LANGUAGE FACTORS IN
SHORT-TERM MEMORY A65-82280

DICHOTIC LISTENING AND RECALL AS RELATED TO
CEREBRAL DOMINANCE A65-82310

STIMULUS PRESENTATION AND METHOD OF SCORING IN
SHORT TERM MEMORY EXPERIMENTS A65-82349

SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING
SKILL
AMRL-MEMO-P-53 N65-11638

COMPATIBLE AND INCOMPATIBLE DISPLAY-CONTROL
DEVICES FOR TESTING MEMORY RETENTION
REPT.-02855-1-F N65-12653

TYPES OF MEMORY IN ANIMALS - ANIMAL STUDY
NASA-TT-F-304 N65-14945

ELECTROCHEMICAL ACTIVITY OF HUMAN BRAIN AT
CELLULAR LEVEL - MEMORY
JPRS-30676 N65-25872

INTERACTION OF LIMITED VARIABLES IN SEQUENTIAL
MEMORY TASKS WITH CHANGING INFORMATION AND
INTERFERENCE EFFECTS IN VERY SHORT-TERM MEMORY
AROD-5038-2 N65-30099

ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES
IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY
AD-616622 N65-30631

MEMORY STORAGE UNIT

HUMAN OPERATOR ROLE IN PERFORMING INFORMATION
PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR
CONSOLE MEMORY A65-35478

SHORT TERM MEMORY USING RESPONSE VECTORS
EQUIVALENT TO DICHOTOMOUS SCORES
ESD-TR-64-678 N65-19353

CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351

MENTAL PERFORMANCE

SA PSYCHOMOTOR PERFORMANCE

MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD
DETERMINATION AND REVERIE EFFECTS ON TEMPORARY
THRESHOLD SHIFT ON AUDITORY FATIGUE
A65-25856

DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND
SECOBARBITAL ON SELF-EVALUATION
A65-80004

COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE A65-80159

EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH
D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS
ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION
AND FATIGUE A65-80160

EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-
AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN
PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS
A65-80161

PERFORMANCE ON COMPLEX INFORMATION-PROCESSING
TASK AS FUNCTION OF INSTRUCTIONAL SET AND
CHOICE OF SUBJECTIVE CRITERION A65-80243

ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL A65-80260

DISPLAY INTEGRATION LEVEL AND COMPENSATORY
TRACKING PERFORMANCE A65-80565

PSYCHOLOGICAL INVESTIGATION OF NOISE EFFECT ON
MOTOR AND MENTAL PERFORMANCE A65-80692

GALVANIC SKIN RESPONSE EVOKED BY VERBAL COMMAND
A65-80829

MANUAL DEXTERITY AND ARITHMETIC CALCULATION
CAPACITY DURING REST AND EXERCISE IN HYPERBARIC
AIR A65-81203

AWARENESS DURING FLIGHT AND SENSORY INPUT,
EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO
MENTAL PERFORMANCE AND FLIGHT SAFETY
A65-81295

PSYCHOLOGICAL EFFECTS OF CHRONIC MILD HYPOXIA
A65-81322

MENTAL CAPACITY AS FUNCTION OF AGE /17-40 YEARS/

SUBJECT INDEX

METABOLISM

- IN GROUPS OF PROFESSIONAL WORKERS
A65-81395
- AMPHETAMINE EFFECTS ON ANXIETY AND MENTAL AND
PSYCHOMOTOR PERFORMANCE A65-81481
- MENTAL PERFORMANCE AND TOLERANCE TO THERMAL STRESS
DURING VARIOUS EXPOSURE DURATIONS A65-82123
- HUMAN PERFORMANCE ON CONTINGENT DISCRIMINATION
TASK A65-82336
- EFFECT OF MENTAL TASKS ON AUDITORY FATIGUE
AM-65-1 N65-18546
- ARTIFICIAL GRAVITY AND MENTAL EXERCISE FOR CREW ON
LONG DURATION SPACE FLIGHT JPRS-29211 N65-20095
- MENTAL TELEPATHY AS MEANS FOR TELECOMMUNICATION
FTD-TT-65-366/164 N65-30448
- MENTAL STRESS
SA ANXIETY
SA DEPERSONALIZATION
- MENTAL TASK EFFECT ON AUDITORY FATIGUE, EXPOSING
SUBJECTS TO FATIGUE TONE UNDER CONDITIONS OF
MENTAL ARITHMETIC AND REVERIE A65-17837
- MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087
- EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-
AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN
PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS
A65-80161
- EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS A65-80722
- TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/
REQUIREMENTS UNDER NERVOUS STRESS IN DOGS
A65-80723
- EXPLANATION OF MENTAL SYMPTOMS FOUND IN ACUTE
SENSORY DEPRIVATION A65-81081
- PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN
A65-81248
- HEART RATE OF TEST PILOTS OF HIGH PERFORMANCE
AIRCRAFT AS AFFECTED BY RISK TAKING AND MISSION
RESPONSIBILITY A65-81293
- OBJECTIVE MEASURE OF MENTAL OVERLOADING- NEW
APPLICATIONS OF DOUBLE-TASK METHOD WITH REACTION
TIME AND PSYCHOMOTOR PERFORMANCE A65-81324
- MOTIVATION AND PERSONALITY FACTORS IN TRAINING AND
MENTAL STRESS OF STUDENT PILOTS A65-81328
- SHORT-TERM MEMORY UNDER WORK-LOAD STRESS
A65-81979
- MEPROBAMATE
MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001
- SIMULTANEOUS VISUAL DISCRIMINATION PERFORMANCE OF
MONKEY AFTER ADMINISTRATION OF MEPROBAMATE
A65-81440
- MERCAPTO COMPOUND
SA DIMERCAPROL
- ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/
A65-80169
- TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD A65-80430
- 2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND
BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION
A65-80824
- ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE
EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033
- PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS A65-81190
- ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374
- EFFECT OF DIMERCAPTOPROPANOL ON TOXICITY OF OXYGEN
ON RATS AT SIX ATMOSPHERES PRESSURE
SAM-TR-65-11 N65-25203
- MERCURY PROJECT
PHYSIOLOGICAL REACTIONS TO PROLONGED
WEIGHTLESSNESS, EXAMINING PROJECT MERCURY
OBSERVATIONS A65-12544
- DEVELOPMENT OF PRESSURE SUIT FROM HALDANE TO
EXTRAVEHICULAR SPACE SUIT, NOTING SUPPORT
EQUIPMENT AND ADVANCED CONCEPTS A65-12546
- PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE
FLIGHT PROGRAM BASED ON PROJECT MERCURY AND
GEMINI MISSIONS A65-31105
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697 N65-21473
- COLD TEST EVALUATION OF COMPONENTS OF NASA
PROGRAM MERCURY SURVIVAL KIT
AAL-TDR-64-24 N65-24083
- X-15 PROGRAM AND MERCURY PROJECT MANNED
SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT
N65-28453
- HUMAN RESPONSES TO WEIGHTLESSNESS - ANALYSIS OF
ASTRONAUT BIOMEDICAL DATA FROM MERCURY PROJECT
FLIGHTS
NASA-TM-X-51935 N65-29487
- MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING
ASTRONAUT SELECTION AND TRAINING, RESULTS OF
LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND
BIOMEDICAL PLANNING FOR SPACE FLIGHTS
NASA-SP-4003 N65-32394
- MERCURY VAPOR
PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN A65-80684
- PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN A65-81625
- METABOLIC WASTE
SA WASTE DISPOSAL
- OXYGEN RECOVERY FROM METABOLIC CARBON DIOXIDE FOR
SPACECRAFT ENVIRONMENT A65-10698
- METABOLISM
SA ADRENAL METABOLISM
SA ASCORBIC ACID METABOLISM
SA CARBOHYDRATE METABOLISM
SA ELECTROLYTE METABOLISM
SA ENERGY REQUIREMENT
SA ENZYME ACTIVITY
SA GLYCOLYSIS
SA HORMONE METABOLISM
SA LIPID METABOLISM
SA OXYGEN CONSUMPTION
SA OXYGEN METABOLISM
SA PHOSPHORUS METABOLISM
SA PHOSPHORYLATION
SA PHOTOSYNTHESIS
SA PROTEIN METABOLISM

- LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION
A65-10693
- CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO
ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVER-
CROWDING AND DISEASE IN MULTICELLULAR SYSTEMS
A65-18287
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY
SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR
HELIUM-OXYGEN ATMOSPHERE
A65-22902
- METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416
- OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC,
RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND
THYROID RESPONSE VARIATIONS
A65-29066
- STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA
A65-80015
- MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT
A65-80100
- INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON
METABOLISM OF ADIPOSE TISSUE IN RAT
A65-80182
- SKIN AND CORE TEMPERATURES CHANGES
RELATED TO THERMOREGULATION IN MAN
A65-80273
- PHYSICAL INSULATION OF HEALTHY
MEN AND WOMEN OVER 60 YEARS
A65-80275
- ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE
A65-80326
- LEAD POISONING - CHANGES IN MORPHOLOGY AND
METABOLISM OF ERYTHROCYTE OF HUMAN
A65-80340
- OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM
A65-80355
- TOXIC ACTION OF OXYGEN ON METABOLISM AND ROLE OF
TRACE METALS
A65-80366
- NUTRITIONAL REQUIREMENTS OF ALGAE - ELEMENTS FOR
PHOTOSYNTHESIS AND NORMAL METABOLISM
A65-80375
- ROTATIONAL DIFFUSION IN MAGNETIC FIELD AS RELATED
TO BIOLOGICAL GROWTH AND METABOLIC PROCESSES
A65-80413
- CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY
A65-80451
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS
A65-80453
- CHEMICAL PATHWAYS OF THE PRIMARY DEVELOPMENT OF
METABOLISM AND ARTIFICIAL MODELING OF DEVELOPMENT
IN COACERVATE DROPS
A65-80484
- SYNTHETIC ACTIVITY DURING NONSYNCHRONIZED GROWTH
CHLORELLA, SEPARATED INTO AGE GROUPS BY FRACTIONAL
CENTRIFUGATION
A65-80505
- VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF
RETINA BY INTERACTION OF VISUAL CELL OUTER
SEGMENTS AND RETINAL MICROSOMES
A65-80585
- FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS
DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA
A65-80597
- SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY
MEN EXPOSED TO BENZENE VAPOR
A65-80611
- FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE,
CHLORELLA PYRENOIDOSA
A65-80618
- OXYGEN CONSUMPTION AND METABOLIC RATES IN HYPNOTIC
TRANCE AND SLEEP
A65-80681
- METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN
CHLORELLA CELLS
A65-80704
- EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND
HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL
INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717
- EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS
A65-80722
- EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM
A65-80752
- INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW
CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE
HYPOXIA
A65-80835
- NITROGEN METABOLISM DURING SYNCHRONOUS GROWTH OF
ALGA, CHLORELLA PYRENOIDOSA
A65-80880
- NITROGEN AND WEIGHT LOSSES DURING STARVATION IN
OBESITY
A65-80989
- HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE
RESPIRATORY PATTERN OF VARIOUS METABOLIC
SUBSTRATES IN RATS
A65-81131
- METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE
A65-81149
- CONTINUOUS RECORDING OF CARBON-14 DIOXIDE AND
OXYGEN CONSUMPTION
A65-81153
- EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND
FUNCTION IN DOGS
A65-81172
- CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC
GROUND SQUIRREL AND RAT
A65-81173
- PHYSIOLOGY AND METABOLISM OF PHYSICAL EXERCISE
A65-81220
- RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229
- AGE FACTOR IN RETENTION OF CALCIUM IN BLOOD PLASMA
A65-81385
- ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING
MUSCULAR WORK IN NORMAL MEN
A65-81400
- UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM
BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC
AND OXYGENATED CONDITIONS
A65-81415
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA
A65-81456
- OXYGENATION OF TISSUE CELL
A65-81512
- BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING
PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE
AREA FORMULAS
A65-81696
- BIOCHEMICAL DATA CORRELATION IN HARVARD STEP-UP
FUNCTION TEST AS INDICATIVE OF PHYSICAL FITNESS
A65-81719
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING
A65-81732
- PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT
A65-81736

SUBJECT INDEX

METAL BONDING

METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN MAMMALS A65-81743

ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM AND ON EXCESS LACTATE IN DOG A65-81747

CHANGES IN OXIDATIVE PROCESSES AND ORGANIC ACID EXCRETION RATE DURING ADAPTATION TO COLD IN MAN A65-81766

PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA IN DOGS A65-81800

COMPARATIVE SPIRO-ERGOMETRIC INVESTIGATIONS ON ATHLETES A65-81865

UTILIZATION OF GLUTAMINE BY VARIOUS ALGAE A65-81958

METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED SUITS EXERCISING IN HIGH ALTITUDE CHAMBER A65-81965

DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF COCHLEA A65-82130

CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE A65-82164

DISTURBANCE IN CARBON METABOLISM IN EXPERIMENTAL CARBON MONOXIDE POISONING IN RABBITS A65-82183

FUNCTIONAL CAPACITY OF HEART IN EXPERIMENTAL HYPOKALEMIA IN MAN A65-82228

METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE DURING PROLONGED HYPOTHERMIA AAL-TDR-64-4 N65-11890

SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS ON CIRCULATION AND METABOLISM OF HUMAN BODY AT PROLONGED BED REST AMRL-TDR-64-61 N65-12131

EFFECT OF PARACHUTE JUMPING ON METABOLISM OF PROTEINS AND VITAMINS N65-13762

METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER SPACE FLIGHT N65-13765

METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT SIMULATED HIGH ALTITUDE NASA-CR-60338 N65-15372

RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS, ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS, BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES, SYNTHESIS OF TRACERS, AND INSTRUMENTATION ACRH-22 N65-15627

ANOXIA INFLUENCE ON METABOLISM OF SMOOTH MUSCLE N65-17772

BASAL METABOLISM AND EXTERNAL RESPIRATION IN CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM CONGENITAL HEART DEFECTS N65-17794

OXIDATION METABOLISM DISTURBANCE DISTINCT FROM HYPOXIA N65-17843

TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND EFFECTS ON GLUCOSE METABOLISM BY RATS AMRL-TR-64-112 N65-17909

DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE AND CARTILAGE N65-18090

WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM - SPACE EXPLORATION N65-18568

NUTRITION, DIET, AND METABOLISM RESEARCH BY ARMY MEDICAL SERVICE N65-18571

NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT N65-18572

HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND

LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER AMRL-TR-64-111 N65-19151

HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE TRACT NASA-CR-57812 N65-21309

HUMAN FECAL BACTERIA ISOLATION AND METABOLIC STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM NASA-CR-62108 N65-21390

SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131 AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES REPT.-143 N65-23307

BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON METABOLISM OF WILD SPECIES OF PLANTS AND ANIMALS TID-3910, SUPPL. 3 N65-23596

METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY CHLORELLA VULGARIS REPT.-132 N65-23645

EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN AMINES AND AMINO ACIDS AMRL-TR-64-113 N65-24417

REGULATION OF CELLULAR METABOLISM, DETERMINISM IN BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND LIFE N65-26222

VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT N65-27268

MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM AFTER EXPOSURE TO ULTRASONIC IRRADIATION - ANIMAL STUDY N65-28702

SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND METABOLISM OF NUCLEIC ACID - ANIMAL STUDY N65-28708

SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE PROPAGATION AND TRANSCRIPTION, DUAL TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM, AND PROTOPLASM UCRL-14254 N65-31001

INSTANTANEOUS VARIATIONS OF METABOLITE CONCENTRATION IN SYSTEM OF METABOLIC PROCESSES IN CELLS JPRS-31464 N65-31213

ENERGY METABOLISM IN DOGS AND RATS DURING IRREVERSIBLE HEMORRHAGIC SHOCK AD-467957 N65-36174

METAL

SA ALKALI METAL
SA BERYLLIUM
SA CALCIUM
SA COPPER
SA GOLD
SA MAGNESIUM
SA PALLADIUM
SA PLUTONIUM
SA POTASSIUM
SA RADIUM
SA RARE EARTH
SA SODIUM
SA STRONTIUM
SA THORIUM
SA VANADIUM
SA YTTRIUM
SA ZINC

FUNDAMENTAL STUDIES ON HIGH ENERGY RADIATION SHIELDING BY VARIOUS METALS A65-80101

TOXIC ACTION OF OXYGEN ON METABOLISM AND ROLE OF TRACE METALS A65-80366

METAL BONDING

BONDING OF METAL IONS TO NUCLEIC ACIDS FROM HUMAN SPLEEN SGAE-BL-14 N65-20198

METAL SURFACE

DRY HEAT STERILIZATION OF NATURALLY CONTAMINATED
METAL SURFACES
NASA-CR-52899 N65-17290

METEOR HAZARD

VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO
SPACE FLIGHT RESEARCH A65-81307

METEORITE

SA CARBONACEOUS METEORITE
SA IRON METEORITE
SA ORGUEIL METEORITE
SA STONY METEORITE

MOLECULAR MATRICES FOR LIVING SYSTEMS WITH THEORY
OF METEORITIC ORIGIN A65-80469

EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO
BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR
ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233

EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO
EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION
DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE
SYSTEMS A65-81851

BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000 N65-19834

METEORITIC COMPOSITION

MICROBIOLOGICAL ANALYSIS OF IRON AND STONE
METEORITES, NOTING ABILITY OF BACTERIA TO
PENETRATE INTO CENTRAL REGIONS A65-30687

CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES
A65-34670

PETROLOGICAL AND COMPOSITIONAL RELATIONSHIPS IN
VARIOUS TYPES OF METEORITES A65-80373

ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES A65-80444

AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
AND ABIOTIC ASPECTS A65-80471

LIFE-FORMS IN METEORITES AND THE PROBLEM OF
TERRESTRIAL CONTAMINATION - A STUDY IN METHODOLOGY
A65-81241

METEOROID HAZARD

MEASUREMENT OF METEOROID ENVIRONMENT FROM EXPLORER
XVI SATELLITE A65-80399

METEOROID PROTECTION

ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733

METER

S ACCELEROMETER
S ANEMOMETER
S DENSITOMETER
S DOSIMETER
S DYNAMOMETER
S FLOW METER
S INDICATOR
S LIGHT SCATTERING METER
S MEASURING APPARATUS
S VOLTMETER

METHAMPHETAMINE

ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT A65-80141

METHANE

CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF
METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF
METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN
PETROLEUM, POWER GENERATION, AND PRODUCTION

BM-IC-8246

N65-13393

PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS
INSECTICIDES, CARBON MONOXIDE AND METHANE
EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC
FUMES
JPRS-30976 N65-28291

MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE
OF ORGANISM TO CARBON MONOXIDE, METHANE, AND
THEIR COMBINATIONS - MINING SAFETY
N65-28292

METHOD

S APPROXIMATION METHOD
S COMPUTER METHOD
S MONTE CARLO METHOD
S OPTICAL METHOD
S TEST METHOD

METHYL HYDRAZINE

RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE,
METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE
A65-81733

HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND
LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151

ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48 N65-31081

DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE
IN BLOOD SERUM - TOXICOLOGY
AMRL-TR-64-24 N65-31864

METHYLENE BLUE

METHYLENE BLUE IN TREATMENT OF DECABCRANE TOXICITY
IN RABBIT A65-81034

METRAZOL

ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT
/STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT
/ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING
HIGH ALTITUDE ACCLIMATIZATION A65-80225

MEXAMINE

RADIOPROTECTIVE EFFICIENCY OF MEXAMINE
A65-81243

MIAZINE

S PYRIMIDINE

MICROANALYSIS

CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES
A65-34670

METHODS TO AID IN MICROSTRUCTURE ANALYSIS BY
ELECTRON MICROSCOPY - ARTIFICIAL CLATHRATES,
DECOMPOSITION, EPITAXY, AND SULFUR SENSITIZATION
LA-3389-MS N65-36223

MICROBE

S MICROORGANISM

MICROBIOLOGY

SA CULTURE TECHNIQUE

WOLF TRAP DEVICE DETERMINING GROWTH OF
MICROORGANISMS BY MEASURING INTENSITY OF LIGHT
SCATTERED BY ORGANISMS A65-10731

CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE
MARTIAN CONDITIONS FOR MICROBIOLOGICAL
INVESTIGATIONS A65-25099

MARTIAN CONDITIONS SIMULATED FROM ASTROPHYSICAL
DATA FOR MICROBIOLOGICAL INVESTIGATIONS
A65-30682

MICROBIOLOGICAL ANALYSIS OF IRON AND STONE
METEORITES, NOTING ABILITY OF BACTERIA TO
PENETRATE INTO CENTRAL REGIONS A65-30687

COMPATIBILITY OF STERILIZATION AND CONTAMINATION
CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY,

SUBJECT INDEX

MICROORGANISM

- EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL PARTICLES UNDER PRESENT CLEAN ROOM AND WORK STATION CONDITIONS A65-35114
- MICROBIOLOGICAL AND CYTOLOGICAL DATA FROM VOSTOK TYPE SPACECRAFT NASA-TT-F-281 N65-12219
- AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES USING SPACE-TYPE DIETS AMRL-TR-64-107 N65-14829
- MICROBIAL CONTAMINATION OF CLEAN ROOMS NASA-CR-60184 N65-15148
- DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP STERILIZATION SYSTEM IN TREATMENT OF COMPONENT CONTAMINATION OF SPACECRAFT NASA-CR-191 N65-18205
- MICROBIAL OXIDATION OF HYDROCARBON GASES AD-609207 N65-18279
- MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN ROOM SC-RR-65-47 N65-19646
- MICROBIOLOGICAL SYNTHESIS IN INDUSTRY AND PROTEIN BIOSYNTHESIS JPRS-30486 N65-25722
- MICROBIOLOGICAL SYNTHESIS - THEORETICAL AND INDUSTRIAL ASPECTS, AND ADVANTAGES OVER CHEMICAL SYNTHESIS N65-25723
- PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES AD-461006 N65-26318
- ANTIBACTERIAL PROPERTIES OF TROPICAL AND SUBTROPICAL FRUIT JPRS-30497 N65-27267
- ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS - MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING SOLIDS TO SMALL PARTICLES NASA-CR-64834 N65-33537
- MICROELECTRONICS
MICROELECTRONIC TECHNIQUES APPLIED TO BIOLOGICAL INSTRUMENTATION WITH ATTENTION TO NEUROCIRCUITS A65-26447
- MICROINSTRUMENTATION
SIMPLE MICROMANIPULATOR FOR INSERTION OF ELECTRODES INTO BRAIN OF EXPERIMENTAL ANIMALS A65-81279
- CARDIOVASCULAR AND PSYCHO GALVANIC SKIN RESPONSE MONITORING DEVICES - ELECTRONIC MICROINSTRUMENTATION IN DENTISTRY SAM-TR-64-90 N65-30496
- MICROORGANISM
SA ALGAE
SA BACTERIA
SA CULTURE /BIOL/
SA FLAGELLATA
SA FUNGUS
SA PLANKTON
SA VIRUS
- TERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON SPECIMENS OF EUPHORBIA XYLOPHYLLOIDES IN AMMONIA METHANE HYDROGEN-RICH ATMOSPHERES A65-23486
- TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET AND BALLOON STUDIES A65-23840
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN HYDROGEN PEROXIDE DECOMPOSITION A65-26285
- ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS A65-30685
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT AND X-RAY IRRADIATION A65-81232
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER A65-81287
- SYNTHETIC FOOD PRODUCED FROM CULTURE OF MICROORGANISMS ON KEROSENE A65-81396
- SAMPLING DEVICES FOR AIRBORNE MICROORGANISMS A65-82026
- ISOLATION OF MICROORGANISMS, CAPABLE OF UTILIZING JP-4 JET-FUEL AS SOLE CARBON SOURCE, FROM FUEL STORAGE TANKS A65-82096
- FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL METEORITE **ORGANIZED ELEMENTS** WITH MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR ORGANISMS OF EARTH ORIGIN A65-82366
- MICROORGANISMS AS INDICATORS OF SOLAR ACTIVITY AND PRECURSORS OF SOLAR FLARES N65-13773
- MOLECULAR BIOLOGY - CHEMICAL MUTAGENESIS IN BACTERIOPHAGE AND GENETIC REGULATION OF PROTEIN BIOSYNTHESIS IN MICROORGANISMS JPRS-28187 N65-14164
- CYTOPHYSIOLOGICAL AND BIOCHEMICAL INVESTIGATIONS OF MICROORGANISMS DURING RESTORATION FOLLOWING RADIATION INJURY N65-15677
- ABIOTIC GENESIS OF PRIMARY MICROORGANISMS BY ELECTRIC DISCHARGE NASA-TT-F-9244 N65-16303
- SAMPLING AND IDENTIFICATION OF VIABLE MICROORGANISMS IN STRATOSPHERE NASA-CR-53951 N65-16493
- MICROORGANISM MEASUREMENT IN WOLF TRAP BY LIGHT SCATTERING METER - LIFE DETECTOR N65-16611
- ENGINEERING PROBLEMS IN MICROORGANISM CULTURE ON LARGE SCALE N65-16628
- EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS IN STRATOSPHERE NASA-CR-52518 N65-16979
- HUMAN INTESTINAL FLORA - MICROORGANISMS N65-18586
- DETECTOR CELL CONCEPT FOR SIGNAL RESPONSE EVALUATION FOR CULTURABLE EARTH MICROORGANISMS INCLUDING NUTRIENT AND ENVIRONMENTAL FACTORS NASA-CR-62003 N65-22616
- DETECTION AND STUDY OF MICROBIAL POPULATION IN UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE SAMPLING WITH ELECTROSTATIC PRECIPITATOR N65-23986
- LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE MICROORGANISMS OUTDOORS AND INDOORS N65-23996
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE EXISTENCE AND IDENTIFICATION OF VIABLE MICROORGANISMS AT HIGH ALTITUDES N65-23999
- ATMOSPHERIC COLLECTION OF MICROORGANISMS USING SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE N65-24000
- GROWTH RESPONSE OF BACILLUS CEREUS AND SUBTILIS CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT WITH FREEZE CYCLES OF DIFFERENT DURATIONS NASA-CR-62829 N65-24294
- CULTURING TECHNIQUES FOR DETECTION OF VIABLE MICROORGANISM INOCULATED INTO SOLID MATERIALS

MICROPARTICLE

SUBJECT INDEX

NASA-CR-62980 N65-24899

HYDROGEN GENERATION FROM SUGARS AND NATURAL PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL CELL REPT.-10 N65-24964

MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS NASA-CR-63198 N65-25401

DRY HEAT STERILIZATION OF MICROORGANISMS ON GLASS SURFACES AT 100 DEG C NASA-CR-63665 N65-27517

MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS JPRS-31360 N65-29790

PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS JPRS-31954 N65-33071

ALIPHATIC AND CYCLIC HYDROCARBON ASSIMILATION BY MICROORGANISMS JPRS-32055 N65-33204

ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS - MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING SOLIDS TO SMALL PARTICLES NASA-CR-64834 N65-33537

DEATH RATES OF MICROORGANISMS DEPOSITED ON SURFACES OF STAINLESS STEEL AND ELECTRONIC COMPONENTS BY HANDLING AND AERIAL FALLOUT - DECONTAMINATION TECHNIQUES NASA-CR-67267 N65-35116

ARTICLES ON BIOPHYSICAL RESEARCH - MITOGENETIC RADIATION, STRUCTURE OF PIGEON UTRICLE, ION TRANSPORT IN RAT-CORTEX SECTIONS, AND BIOELECTRICAL PHENOMENA IN MICROORGANISMS JPRS-32209 N65-35150

ELECTRIC RESPONSE REACTIONS TO STIMULATION OF OPALINA RANARUM N65-35154

MICROPARTICLE

AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING CHAMBER A65-80474

CHEMICAL PATHWAYS OF THE PRIMARY DEVELOPMENT OF METABOLISM AND ARTIFICIAL MODELING OF DEVELOPMENT IN COACERVATE DROPS A65-80484

MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED FROM PROTEINOID A65-80485

REVIEW OF EXPERIMENTS DEALING WITH DEVELOPMENT OF MICROSPHERES FROM THERMAL PROTEINOID A65-80486

MICROPHONE

SOUND DIFFRACTION MEASUREMENT IN VICINITY OF HUMAN EAR FOR POSITIONING MICROPHONE A65-81349

HELMETS, EARPHONES, AND MICROPHONES FOR FLYING PERSONNEL AD-461367 N65-26948

MICROSCOPY

SA ELECTRON MICROSCOPY

GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR ORGANISMS AND MICROSCOPIC TECHNIQUES FOR OBSERVING LIVING CELLS NASA-CR-51799 N65-15368

FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN IRRADIATED BIOLOGICAL CELLS N65-23457

MICROSTRUCTURE

METHODS TO AID IN MICROSTRUCTURE ANALYSIS BY ELECTRON MICROSCOPY - ARTIFICIAL CLATHRATES, DECOMPOSITION, EPITAXY, AND SULFUR SENSITIZATION LA-3389-MS N65-36223

MICROWAVE RADIATION

PAPERS ON BIOLOGICAL ACTION OF ULTRASOUND AND UHF ELECTROMAGNETIC OSCILLATIONS A65-20933

BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF MICROWAVE FIELD AND HEATING PATTERNS A65-20934

MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF WHITE RATS AND RABBITS A65-20936

RADIO WAVE IRRADIATION EFFECT ON CONTENT OF NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE RATS A65-20937

MICROWAVE HEATING IN MAN AND ANIMALS FOR VARIOUS INTENSITIES AND EXPOSURE TIMES A65-20959

BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION, EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY AND DIELECTRIC LOSSES DUE TO POLARIZATION RELAXATION IN WATER MOLECULES A65-29938

HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN STOMACH AND INTESTINE IN DOGS A65-80710

MICROWAVE EFFECT ON NERVE FUNCTIONAL STATE IN FROGS A65-80747

MICROWAVE RADIATION OF RAT AND EFFECT OF PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE A65-80756

SAFETY HAZARDS OF MICROWAVE RADIATION - BIOLOGICAL EFFECTS AND PREVENTIVE MEASURES A65-80788

BIOLOGICAL SENSITIVITY AND INTERACTION WITH RADIOFREQUENCY AND MICROWAVE ENERGY A65-81090

MECHANISM OF ACTION OF MICROWAVES OF SKIN IN ALBINO RATS AND RABBITS A65-81699

EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO MICROWAVE IRRADIATION A65-81866

AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY MICROWAVE RADIATION IN RABBIT A65-82037

CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR WORKERS OF VARIOUS AGES A65-82038

MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS RELATED TO RADIATION INTENSITY AND EXPOSURE TIME A65-82061

WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF DOG DURING EXPOSURE TO TWO LEVELS OF PULSED MICROWAVES A65-82364

SPECTROPHOTOMETRY TO DETECT CATARACTS IN HUMAN EYE CAUSED BY MICROWAVE RADIATION RADC-TDR-64-273 N65-14007

EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS SYSTEMS N65-18886

MICROWAVE IRRADIATION EFFECT ON FUNCTIONAL CONDITION OF NERVES N65-18889

MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND NERVOUS SYSTEM OF FROGS ATD-T-65-39 N65-28123

EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC ORGANS OF WHITE RATS JPRS-31047 N65-28357

SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY MICROWAVE RADIATION N65-28707

CLIMATIC EFFECTS ON CHRONIC MICROWAVE IRRADIATION JPRS-31280 N65-29246

ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF MICROWAVES

- ATD-P-65-68 N65-34204
- MICROWAVE SPECTRUM**
MICROWAVE SPECTROSCOPY USED TO IDENTIFY
UNAMBIGUOUSLY CONTAMINANT TRACE GASES IN MIXTURE
AND INDICATE AMOUNT OF EACH
AICE PREPRINT 54D A65-15251
- MICTURITION**
S URINATION
- MIDDLE EAR**
STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION
AGAINST NOISE INJURY AND IN UNDERSTANDING OF
SPEECH A65-80010
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF
STAPEDIUS AND TENSOR TYMPANI MUSCLES A65-80035
MIDDLE EAR MUSCLE REFLEXES ELICITED BY ACOUSTIC
AND NONACOUSTIC STIMULATION A65-80036
TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX A65-80888
AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP A65-80945
AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES A65-80946
COMPARISON OF VALSALVA MANEUVER AND FRENZEL
MANEUVER IN MIDDLE EAR VENTILATION A65-81262
MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO
OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT
IN SLEEP A65-81483
EFFECT OF TYMPANIC MUSCLE ACTIVITY ON MOVEMENT OF
EARDRUM, ACOUSTIC IMPEDANCE AND COCHLEAR
MICROPHONICS A65-81505
STAPEDIUS REFLEX TO TONE STIMULI OF MEDIUM
LOUDNESS IN ALERT RABBIT A65-82142
SOUND TRANSMISSION IN HUMAN EAR AND
NON-OTOSCLEROTIC OSSICLE FIXATION A65-82309
INTRA-AURAL REFLEX OF MIDDLE EAR TO
AUDIOFREQUENCY SOUND WITH DEFINED AMPLITUDE
GGC/EE/64-15 N65-12491
- MIDDLE EAR PRESSURE**
OVERPRESSURE IN MIDDLE EAR AS RELATED TO VERTIGO
OCCURRING IN DIVERS AND PREVENTIVE AND
THERAPEUTIC MEASURES A65-82012
- MIGRATION**
MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS
POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES A65-80433
- MILITARY AIRCRAFT**
LIGHT ATTACK AND FIGHTER BOMBER PILOTS PROBLEMS
CONCERNING PILOT COMFORT, EFFICIENCY AND SURVIVAL,
FLIGHT SAFETY AND COMBAT EFFECTIVENESS A65-14226
- MILITARY AVIATION**
TUBERCULOSIS IN ITALIAN AIR FORCE PERSONNEL -
MEDICO-LEGAL SURVEY A65-80214
STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR
DISQUALIFICATION OF PILOT CANDIDATES IN THE
ITALIAN AIR FORCE A65-80216
LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY
AND CIVIL AVIATION USEFUL TO PATHOLOGISTS A65-81540
UNITED STATES GOVERNMENT LIABILITY IN MILITARY
AIRCRAFT ACCIDENTS A65-81541
- MILITARY PSYCHIATRY**
MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388
- MILITARY SPACECRAFT**
HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS
A65-82318
- MILITARY TECHNOLOGY**
MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA
AND OTHER POLAR REGIONS
AAL-TDR-64-28 N65-19970
- MINERAL**
SA ROCK
SA SOIL
CHANGES IN MINERAL CONCENTRATION IN NUTRIENT
MEDIUM DURING GROWTH OF CHLORELLA A65-80940
MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON
MANNED SPACE FLIGHTS N65-18580
TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- MINIATURE ELECTRONIC EQUIPMENT**
MINIATURE BIOPOTENTIAL TELEMETRY SYSTEM A65-82204
BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT N65-16605
MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS
NASA-CR-65157 N65-36441
- MINUTEMAN ICBM**
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- MISSILE**
SA BALLISTIC MISSILE
SA GUIDED MISSILE
SA TITAN II ICBM
MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS
POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES A65-80433
INDUSTRIAL HYGIENE SUPPORT IN MISSILE PROGRAM
THROUGH ELIMINATING HEALTH HAZARDS A65-80620
- MISSILE CONTROL**
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- MISSILE TEST**
HUMAN PERFORMANCE EVALUATION IN CURRENT
BALLISTIC MISSILE TEST PROGRAM, NOTING
MINUTEMAN PROGRAM A65-34681
- MISSION**
S SPACE MISSION
- MISSION PLANNING**
SPACE MISSION SIMULATION SYSTEM DESIGN DEVELOPMENT
AND MANAGEMENT TECHNIQUES INCLUDING FOUR-MAN 30-
DAY MISSION SPACE CHAMBER EXPERIMENT A65-23616
HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438
- MITOCHONDRIA**
OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC,
RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND
THYROID RESPONSE VARIATIONS A65-29066
ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
CORTEX AND CEREBELLUM A65-80812
PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE,
AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED

BY ANOXIA IN DECOMPRESSION CHAMBER

A65-81841

HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666

N65-29243

MITOSIS

L F VERTICAL VIBRATION AND X-RAY EFFECTS ON
FREQUENCY OF DERANGED MITOSIS IN MEDULLA OSSIMUM OF
MICE

A65-13398

ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO

A65-14607

MECHANICAL VIBRATION EFFECT ON MITOSIS OF
NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE

A65-25550

ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES

A65-29946

VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS
ON BONE MARROW CELL DIVISION OF MICE

A65-32303

TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL
DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH
TEMPERATURE STRAIN CHLORELLA 7-11-05

A65-32939

COMBINED EFFECT OF VIBRATION AND IONIZING
RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW
CELLS IN MOUSE

A65-80043

DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN
TISSUES AFTER MECHANICAL INSULT IN RODENTS

A65-80395

COMBINED ACTION OF X-RAY RADIATION AND VIBRATION
ON BONE MARROW CELL MITOSIS OF MOUSE

A65-80535

FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING
MITOSIS, IN TISSUE CULTURES

A65-80540

X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED
CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL
CYCLE

A65-80617

MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS

A65-80657

DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT

A65-80719

AET /S, 2-AMINOETHYLISOTHIOUREA-DI-HBR/ AS
RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA
URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS

A65-80741

PHOTOSYNTHETIC ACTIVITY IN SMALL AND LARGE CELLS
OF CHLORELLA PYRENOIDOSA, 7-11-05

A65-80811

EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON
MITOSIS OF BONE MARROW CELLS IN MICE

A65-80922

EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW
CELLS IN MICE

A65-82078

EFFECTS OF ILLUMINATION CHARACTERISTICS ON MITOSIS
IN CHLORELLA PYRENOIDOSA CULTURES

A65-82317

MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS

N65-13671

EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE
AND CELL DIVISION IN MAN AND ANIMAL

N65-16486

BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA
N65-16814NYSTAGMUS IN RABBITS, IONIZING RADIATION OF
HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER
REGENERATION, BONE MARROW TRANSPLANTATION IN
RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250

N65-20139

DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING
LIVER DURING ACUTE RADIATION SICKNESS IN RATS

N65-20142

PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND
DIVISIONS
NASA-CR-62925

N65-24575

COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS
ON NUCLEI OF BONE MARROW CELLS IN MAMMALS

N65-31388

SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS -
AEROSPACE MEDICINE
NASA-TT-F-350

N65-35828

MIXTURE

S GAS MIXTURE

MOBILITY

NONEXTENSION LINES FOR IMPROVEMENT OF MOBILITY
IN FULL PRESSURE SUITS
AMRL-TR-64-118

N65-17139

PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON
BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY
SUBJECT - HUMAN ENGINEERING

N65-24360

RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT -
LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN
MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN
PERFORMANCE
LMSC-6-62-64-19

N65-31557

MODAL RESPONSE

MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY
VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS

A65-31019

MODE

S BREATHING MODE

MODEL

S BIOLOGICAL MODEL
S DUMMY
S DYNAMIC MODEL
S ENVIRONMENT MODEL
S MATHEMATICAL MODEL

MODULATION

S AMPLITUDE MODULATION
S PULSE DURATION MODULATION /PDM/

MOISTURE

TIME-EFFECT CURVES FOR IRRADIATION OF DORMANT PEA
SEEDS WITH VARIOUS MOISTURE CONTENTS FOR
DETERMINING AMOUNT OF DAMAGE

N65-26385

MOL

S MANNED ORBITAL LABORATORY /MOL/

MOLECULAR DIFFUSION

THERMAL MOLECULAR MOTION OF LIVING PROTOPLASM -
ENVIRONMENTAL ADAPTATION

N65-28289

MOLECULAR ENERGY

SA NUCLEAR ENERGY

THERMOREGULATORY PHYSIOLOGICAL DEFENSE MECHANISMS
AND MOLECULAR ENERGY TRANSFORMATION OF HUMAN
BODY
NASA-CR-52183

N65-16487

MOLECULAR PHYSICS

INTEGRATED RESEARCH AND TRAINING IN SPACE
MOLECULAR BIOLOGY - ELECTRON MICROSCOPE
LABORATORY COMPLETION AND CORRELATED RESEARCH
WITH ELECTRON DIFFRACTION
NASA-CR-62879

N65-24674

MOLECULAR SPECTROSCOPY

MICROWAVE SPECTROSCOPY USED TO IDENTIFY
UNAMBIGUOUSLY CONTAMINANT TRACE GASES IN MIXTURE
AND INDICATE AMOUNT OF EACH
AICE PREPRINT 54D A65-15251

MOLECULAR STRUCTURE

HIGH RESOLUTION ELECTRON MICROSCOPY FOR
CORRELATIVE STUDIES OF BIOLOGICAL ULTRASTRUCTURE
A65-18695

ORIGINS OF PREBIOLOGICAL SYSTEMS AND OF THEIR
MOLECULAR MATRICES - CONFERENCE
A65-80465

ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029

FEASIBILITY OF MODULAR DESIGN FOR AUDIOVISUAL
AUTOINSTRUCTIONAL EQUIPMENT
AMRL-TR-65-79 N65-30136

MOLECULE

SA MACROMOLECULE

MOLECULAR MATRICES FOR LIVING SYSTEMS WITH THEORY
OF METEORITIC ORIGIN A65-80469

MONITOR

SA IN-FLIGHT MONITORING

BIOECOLOGICAL AND BIOMEDICAL MONITORING FOR DESIGN
OF HEALTH SURVEILLANCE SYSTEMS FOR ASTRONAUTS IN
SPACE A65-26746

SENSORY-FEEDBACK ANALYSIS OF BEHAVIOR IN
STEREOTELEVIEWED VISUAL FIELD A65-80344

SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL
PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS
SPECTROMETER METHOD A65-80627

TRANSISTORIZED RADIATION MONITOR
A65-80759

BIOINSTRUMENTATION AND TELEMETRIC METHODS FOR
MONITORING PHYSIOLOGICAL FUNCTIONS IN MAN AND
ANIMALS A65-81048

INDIRECT BLOOD PRESSURE MONITORING
A65-81053

VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE A65-81064

EQUATIONS FOR MEASURING BLOOD FLOW BY EXTERNAL
MONITORING OF RADIOISOTOPES A65-81119

CONTINUOUS RECORDING OF CARBON-14 DIOXIDE AND
OXYGEN CONSUMPTION A65-81153

INTERHOSPITAL PHYSIOLOGICAL MONITORING SYSTEM AS
RELATED TO TELEMETRY A65-81284

MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY
A65-81312

MONITORING OF PILOT HEART RATE BY MULTI-CHANNEL
TELEMETRY DURING JET FLIGHT A65-81436

MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY
DISEASE A65-81550

RECORDING OF PHYSIOLOGICAL FUNCTIONS DURING
INTERPLANETARY FLIGHTS, MEDICAL SUPPORT AND
BIOTELEMETRY A65-82076

IMPROVEMENT OF PERSONNEL WORK PERFORMANCE
CHARACTERISTICS IN MILITARY MONITOR SYSTEMS
AD-609112 N65-18001

ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION
CAMERA AND CALIBRATED MONITOR
CRDL-TM-2-3 N65-22392

AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE
CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO

DEVELOP DIGITAL TECHNIQUES FOR PROCESSING,
DISPLAYING, AND ANALYZING DATA
LMSC-6-65-65-15 N65-24710

CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE,
WARNING LIGHT MONITORING, AND PROBABILITY
MONITORING TASKS AS FUNCTION OF WORKLOAD
AMRL-TR-65-22 N65-27092

MONKEY

THERMORECEPTOR RESPONSE OF MONKEY AS AFFECTED BY
MODERATE CHANGE IN CUTANEOUS TEMPERATURE
A65-80102

HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND
MONKEY CAUSED BY ELECTRIC STIMULATION OF
SEMICIRCULAR CANAL NERVE A65-80156

STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN
MACACA NEMESTRINA A65-80307

ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO
HIGH LEVELS OF GRAVITATIONAL FORCE
A65-81291

ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN
MONKEYS OF DIFFERENT AGES IN RESPONSE TO
RHYTHMICAL LIGHT FLASHES A65-81354

SIMULTANEOUS VISUAL DISCRIMINATION PERFORMANCE OF
MONKEY AFTER ADMINISTRATION OF MEPROBAMATE
A65-81440

TECHNIQUE USING MONKEY FOR MEASURING
ACCEPTABILITY OF AIR MOVEMENT AT HIGH TEMPERATURE
A65-81476

CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF
MONKEY RETINA A65-81494

RADIATION EFFECT ON FOOD SATIATION IN RHESUS
MONKEY A65-81546

MONKEY PERFORMANCE FOLLOWING INJECTION OF
DECABORANE
AMRL-TDR-64-74 N65-10268

PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY
AFTER CORTEX ABLATION
NASA-TT-F-9178 N65-11451

CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718

PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS
SUBJECTED TO TRANSVERSE ACCELERATIONS
N65-13745

MEASUREMENT OF AORTIC, LEFT AND RIGHT VENTRICULAR,
PULMONARY CAPILLARY AND ARTERIAL PRESSURES,
HEART RATE, CARDIAC AND STROKE INDEX, AND OTHER
HEMODYNAMIC DATA ON MACACA MONKEYS
AMRL-TDR-64-69 N65-13994

INFLAMMATORY AND DEGENERATIVE LESIONS IN
APPARENTLY NORMAL SQUIRREL MONKEYS
NASA-CR-60193 N65-15139

THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387

ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND
INERTIAL FORCE EXPOSURE
NASA-CR-57274 N65-19692

ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF
SQUIRREL MONKEY INNER EAR
NASA-CR-57931 N65-21338

STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56 N65-22075

EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON
CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS

- N65-22304
EFFECT OF FREEZE PRESERVATION AND THAWING OF
RHESUS MONKEY ERYTHROCYTES - CRYOGENICS
AD-465702 N65-27526
- STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- RELATIONSHIP OF DIFFERENT STAGES OF
CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND
ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY
ELICITED BY NERVE STIMULATION IN MONKEYS
N65-28774
- INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18 N65-30745
- EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887
- ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS
UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018 N65-32718
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- MONOCHROMATIC RADIATION**
EFFECTIVENESS OF MONOCHROMATIC RADIATIONS IN
ENSURING LEVEL OF ACUTENESS OF DISCRIMINATION AND
CONTRAST SENSITIVITY A65-30078
- COMBINED MONOCHROMATIC LIGHT WAVELENGTH EFFECTS ON
PHOTOSYNTHESIS IN ALGAE
AFOSR-64-1650 N65-11325
- MONOCULAR VISION**
OBSERVER JUDGMENT OF HOMOGENEOUS WHITE FORMS,
SLANT AND SHAPE UNDER REDUCED MONOCULAR VIEWING
AND AT VARIOUS DEGREES GEOMETRIC SLANT
A65-22466
- DEPTH DISCRIMINATION FOR INTERMITTENT
STIMULI VIEWED BINOCULARLY MONOCULARLY
AND WITH ALTERNATING EYES A65-80249
- COMPARISON OF SPATIAL DISCRIMINATION IN TEMPORAL
AND NASAL SECTORS OF MONOCULAR VISUAL FIELD
A65-81646
- SIZE CONSTANCY WITH BINOCULAR AND MONOCULAR
VIEWING. A65-82175
- PERFORMANCE TIMES ON SIMPLE REMOTE HANDLING TASK
UNDER DIRECT BINOCULAR AND MONOCULAR VIEWING
CONDITIONS
AMRL-TDR-64-68 N65-13993
- MONOMER**
EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13 N65-18974
- MONTE CARLO METHOD**
MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS
RRA-T45 N65-22222
- MONTE CARLO COMPUTER PROGRAM FOR CALCULATION OF
ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS
AS FUNCTION OF TISSUE SLAB DEPTH
NASA-CR-63754 N65-27877
- MOON**
SA LUNAR BASE
SA LUNAR COMPOSITION
SA LUNAR ENVIRONMENT
SA LUNAR EXCURSION MODULE /LEM/
SA LUNAR EXPLORATION
SA LUNAR FLIGHT
SA LUNAR GEOLOGY
- SA LUNAR GRAVITATIONAL EFFECT
SA LUNAR LANDING
SA LUNAR PHASE
SA LUNAR PROGRAM
SA LUNAR SURFACE
- VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO
SPACE FLIGHT RESEARCH A65-81307
- MECHANICS OF WALKING, RUNNING AND JUMPING ON MOON
A65-81739
- MOON ILLUSION**
MOON ILLUSION - VISUAL FACTORS AFFECTING APPARENT
SIZE A65-80324
- EQUIDISTANCE TENDENCY IN DEPTH PERCEPTION AND ITS
APPLICATION TO MOON ILLUSION AND OTHER VISUAL
PROBLEMS A65-82039
- PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE
IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND
CONSEQUENCES
AM-65-11 N65-33981
- MORL**
S MANNED ORBITAL RESEARCH LABORATORY /MORL/
- MORPHOLOGY**
ULTRAVIOLET RADIATION EFFECT ON HUMAN
CELLULAR RESPONSES CORRELATED TO
ULTRASTRUCTURAL CHANGES A65-80224
- MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED
FROM PROTEINOID A65-80485
- REVIEW OF EXPERIMENTS DEALING WITH DEVELOPMENT OF
MICROSPHERES FROM THERMAL PROTEINOID A65-80486
- AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH
ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY
ARTERIES AND RENAL GLOMERULI A65-80558
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO
HIGH LEVELS OF GRAVITOINERTIAL FORCE
A65-81291
- MORPHOLOGY OF SENSORY CELLS IN ORGAN OF CORTI OF
MAN A65-81503
- DEVELOPMENT, GROSS MORPHOLOGY AND NORMAL ADULT
HISTOLOGY OF COCHLEAR AND VESTIBULAR AQUEDUCTS
A65-82132
- MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO
ACCELERATIVE FORCE A65-82155
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND
MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC
ENERGY
REPT.-64-01 N65-12840
- MORPHOLOGICAL CHANGES IN NERVOUS SYSTEM OF ANIMALS
SUBJECTED TO LATERAL ACCELERATIONS N65-13666
- PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS
AFTER ACCELERATION STRESS N65-13696
- MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED
TO ACCELERATIONS OF VARYING INTENSITY, DURATION,
AND DIRECTION N65-13706
- MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS
FOLLOWING TRANSVERSE ACCELERATION
N65-13736
- PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS
SUBJECTED TO TRANSVERSE ACCELERATIONS
N65-13745
- PHYSIOLOGICAL AND MORPHOLOGICAL RELATIONSHIPS
BETWEEN MARINE SPECIES OF CHLORELLA
N65-15805
- APPLICATIONS OF FISH MORPHOLOGY TO AIRCRAFT AND
SHIP DESIGN

SUBJECT INDEX

MOTION SICKNESS

- JPRS-28910 N65-17492
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING ACTION OF HYDRAZINE DERIVATIVES N65-17747
- HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE STRUCTURES, AND AUTOALLERGY IN PATHOLOGY N65-17790
- CELLULAR MODEL OF CYBERNETIC SYSTEM BASED ON MORPHOLOGICAL AND BIOCHEMICAL STRUCTURE AND FUNCTION JPRS-28974 N65-17986
- MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN INFANT RABBITS - HUMAN DISEASE N65-22294
- MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL BLOOD VESSELS UPON EXPOSURE TO IONIZING RADIATION N65-26394
- MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE OF ORGANISM TO CARBON MONOXIDE, METHANE, AND THEIR COMBINATIONS - MINING SAFETY N65-28292
- EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL PROPERTIES OF ANIMAL BLOOD N65-28701
- EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES ON MORPHOLOGY OF WHITE RAT TESTES N65-28703
- ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION, COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY N65-28706
- HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA N65-28760
- PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY, INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY TT-AEC-TR-6203 N65-28817
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE OF MONKEYS, APES, AND HUMANS ARL-TR-65-8 N65-36722
- MOSS
S MANNED ORBITAL SPACE STATION /MOSS/
- MOTION
S ANGULAR MOTION
- MOTION PERCEPTION
CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN CONTROL SITUATIONS LIMITED TO USE OF VISUAL VESTIBULAR SENSING OF MOTION A65-22032
- HUMAN SPACE PERCEPTION ANALYSIS SHOWING THAT INTERPRETIVE SCALING OF VISUAL ANGLE IS KEY FACTOR IN SIZE, DISTANCE AND MOTION ESTIMATION A65-35345
- APPARATUS FOR MEASUREMENT OF DYNAMIC VISUAL ACUITY A65-80574
- MOTION PERCEPTION AND CHANGING FORM STUDIED FROM CONTINUOUS TRANSFORMATIONS OF SOLID ANGLE OF LIGHT AT EYE A65-80595
- STEREOKINERADIOGRAPHY - PERCEPTION OF MOTION AND DEPTH IN RELATION TO PHOTOGRAPHIC INTERPRETATION A65-80634
- MOVEMENT AFTEREFFECTS AND FIGURAL AFTEREFFECTS A65-81010
- DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO THEIR FLYING PERFORMANCE A65-81117
- PERIPHERAL DYNAMIC VISION COMPARED WITH STATIC VISUAL ACUITY A65-81118
- AUTOKINETIC MOTION AND SPACE LOCALIZATION IN RELATION TO AUDITORY PERCEPTION A65-81318
- VISUAL PERCEPTION OF MOVEMENT IN ABSENCE OF EXTERNAL FRAME OF REFERENCE - TIME AND VELOCITY FACTORS A65-81577
- RELATIONSHIP BETWEEN STATIC AND DYNAMIC VISUAL ACUITY A65-81978
- MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE CONTROL NASA-CR-64545 N65-32033
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL LABYRINTHINE DEFECTS - AEROSPACE MEDICINE NASA-CR-67520 N65-36432
- MOTION SICKNESS
LONG TERM CENTRIFUGAL ACCELERATION INDUCED SICKNESS IN LEGHORN CHICKEN, NOTING REVERSIBILITY A65-16561
- MOTION SICKNESS RESISTANCE INDUCED BY REPEATED CORIOLIS STIMULATION AS INDICATED BY AUTONOMIC REACTION DATA AND ELECTRONYSTAGMOGRAMS A65-24080
- VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS, SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS A65-26773
- INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT VESTIBULAR APPARATUS A65-80879
- MOTION SICKNESS SYMPTATOLOGY OF LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY MANEUVERS A65-80893
- PREVENTION OF MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION A65-81067
- MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS AND CORIOLIS ACCELERATION A65-81434
- POSTURAL AUTOKINETIC EFFECT RELATED TO SUGGESTION AND SUSCEPTIBILITY TO MOTION SICKNESS A65-81448
- VISUAL CONTROL OF HABITUATION TO COMPLEX VESTIBULAR STIMULATION IN MAN A65-81538
- CONTROL OF VERTIGO AND POSSIBLE TREATMENT OF MOTION SICKNESS WITH THIETHYLPERAZINE, A NEW PHENOTHIAZINE A65-82036
- PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING A65-82128
- LATENT FORM OF MOTION SICKNESS IN HEALTHY MALES - EFFECT ON VISUAL ANALYZER N65-13711
- EFFECT OF OXYGEN STARVATION ON MOTION SICKNESS N65-13752
- RESISTANCE INDUCTION TO MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION SAM-TR-64-87 N65-22076
- DEVELOPMENT OF MOTION SICKNESS QUESTIONNAIRE FOR EARLY IDENTIFICATION OF FLIGHT TRAINING STUDENTS SUSCEPTIBLE TO MOTION SICKNESS NSAM-916 N65-25215

- APOMORPHINE ADMINISTERED TO LABYRINTHECTOMIZED DOGS FOR DETERMINING ROLE OF EXTRALABYRINTHINE INFLUENCES IN PATHOGENESIS OF MOTION SICKNESS
JPRS-30843 N65-27115
- SIMULATOR TRAINING FOR MOTION SICKNESS SUPPRESSION IN PROLONGED SPACE FLIGHT
NASA-CR-64639 N65-33256
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING
NSAM-932 N65-36226
- VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537 N65-36431
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- MOTION SICKNESS DRUG**
ANTIMOTION SICKNESS DRUGS FROM 1954 TO 1964 NOTING EFFECTIVENESS AND SIDE EFFECTS
A65-16552
- REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS, AND MISCELLANEOUS GROUP, COVERING 1954-1964
A65-80380
- KINETOSIN /A MIXTURE OF PROMETHAZINE, CAFFEINE, AND EPHEDRINE/ AS A MOTION SICKNESS DRUG
A65-81740
- DRUGS FOR PREVENTION AND TREATMENT OF AIRSICKNESS
N65-13636
- EFFICACY OF PHARMACOLOGICAL PREPARATION IN COMBATING MOTION SICKNESS OF AIR TRANSPORT PASSENGERS
N65-13771
- ANTICHOLINERGICS, ANTIHISTAMINES, AND TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION SICKNESS DRUGS
AD-611394 N65-22889
- EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800 N65-28539
- MOTIVATION**
SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH DATA, ORIENTATION, COMMUNICATION, AND ROLE OF MOTIVATION IN PROLONGED SLEEP DEPRIVATION
A65-80020
- MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092
- LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET, MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM
A65-80631
- BASES FOR PREFERENCES AMONG THREE-OUTCOME BETS
A65-80792
- MOTIVATION AND PERSONALITY FACTORS IN TRAINING AND MENTAL STRESS OF STUDENT PILOTS
A65-81328
- COGNITIVE AND PERCEPTUAL DISTURBANCES IN SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF DIFFERENTIAL EXPECTANCY LEVELS
A65-81665
- IMPORTANCE OF TIME AND ITS SUBJECTIVE SPEED
A65-81752
- STRESS SYNDROME RELATED TO ACHIEVEMENT MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM CHOLESTEROL
A65-81753
- MOTIVATION TOWARD FLYING IN PILOT CANDIDATES RELATED TO TRAINING SUCCESS AND ADJUSTMENT
A65-81776
- COMPETITIVE AND NONCOMPETITIVE PERFORMANCE IN RELATION TO ACHIEVEMENT MOTIVE AND MANIFEST ANXIETY
A65-82176
- DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL ATTITUDE - PSYCHOPHYSIOLOGY
NASA-CR-156 N65-15546
- REWARD MOTIVATION IN HUMAN BEHAVIOR - PSYCHOLOGICAL TESTING
TR-1 N65-31969
- MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL STRESS ON HUMAN PERFORMANCE
AMRL-TR-65-39 N65-32928
- MOTOR SYSTEM /BIOL/**
EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON IMPROVING RAPIDITY AND REGULARITY OF MOTOR RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN AVIATION PERSONNEL
A65-32793
- VARIATIONS OF MOTOR RESPONSES TO GRAVITATIONAL STIMULI CAUSED BY CHANGES OF SENSORY PERCEPTION IN PIGEONS
A65-80215
- QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS
A65-80753
- EFFECT OF MUSCULAR STRESS OF DURATION OF DIFFERENT COMPONENTS OF MOTOR REACTION OF LOWER EXTREMITIES IN YOUNG ATHLETES
A65-81509
- COMMENT ON SELF-INDUCED MOVEMENT AS DETERMINANT OF SPATIAL ADAPTATION
A65-81559
- ACTIVITY IN PASSIVE ARM INFLUENCING MOTOR OVERFLOW FROM ACTIVE ARM
A65-81575
- EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT ARM MOTIONS DURING COMPENSATION FOR DISPLACED VISION
A65-81647
- PASSIVE TEST OF EYE-HAND COORDINATION WITH PRISM DISPLACEMENT AND ADAPTATION MEASURED BY ERROR FROM PRETEST TO POST TEST
A65-81649
- HAND MOTION STUDIED WITH RESPECT OF ACCELERATION AND VELOCITY OF LIMB
A65-81651
- THRESHOLDS IN AUDITION, BALANCE, KINESTHESIA, PRESSURE, AND VISION RELATED TO MOTOR SKILL
A65-81686
- INFORMATION FLOW MODEL OF ORGANIZATION OF MOTOR ACTIVITY
A65-82196
- CORRELATION ANALYSIS OF CHANGES IN HUMAN ELECTROENCEPHALOGRAPH DURING DEVELOPMENT OF RHYTHMIC MOTOR STEREOTYPY
A65-82206
- SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN CAT
A65-82352
- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES
A65-82368
- REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF HUMANS DURING SPACE FLIGHT
JPRS-27591 N65-10989
- INFORMATION THEORY APPLIED TO NEURAL NETS AND MOTOR AND VISUAL NERVOUS SYSTEMS
AMRL-TR-64-80 N65-11898
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC ENERGY
REPT-64-01 N65-12840
- HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS
N65-13685

SUBJECT INDEX

MOUSE

UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598

UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING,
SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL
REPT.-64-30 N65-18929

DEVICE FOR SIMULTANEOUS RECORDING OF HUMAN MOTOR
AND SPEECH RESPONSE PARAMETERS
JPRS-29057 N65-19401

PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE
ANALYZER BY CONDITIONED REFLEX METHOD IN MAN
DURING ACUTE HYPOXEMIA AND HYPERCAPNIA
FTD-TT-62-1903/18284 N65-22061

HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723

HUMAN ELECTROENCEPHALOGRAPH AND ELECTRODERMAL
RESPONSE CHANGES WITH TEMPORARY CONNECTION
BETWEEN MOTOR AND VISUAL ANALYZERS IN
RINESTHETIC AND PHOTIC STIMULATION PAIRING
FTD-TT-65-434/182 N65-30015

EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE
REFLEX IN GUINEA PIG N65-31384

MOUNTAIN INHABITANT SA ALTITUDE ACCLIMATIZATION

CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016

RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH
ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN
SICKNESS A65-80298

DIET SURVEY OF QUECHUA INDIANS AT HIGH ALTITUDE IN
PERUVIAN ANDES A65-80449

AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH
ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY
ARTERIES AND RENAL GLOMERULI A65-80558

PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE A65-80670

PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN
A65-80671

CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
CHRONIC HYPOXIC STATE A65-80995

HIGH-ALTITUDE PULMONARY EDEMA IN MOUNTAIN
INHABITANTS - CLINICAL STUDY A65-81591

HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT
AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT
A65-81744

RENAL FUNCTION IN HIGH-ALTITUDE NATIVES AND IN
NATIVES WITH CHRONIC MOUNTAIN SICKNESS
A65-81918

SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH
SEXES LIVING AT HIGH ALTITUDE A65-81964

PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND
NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING
AND INSULIN A65-82168

ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS
LIVING AT HIGH ALTITUDE A65-82252

BLOOD PRESSURE NORMS FOR NATIVE MOUNTAIN
INHABITANTS N65-17835

MOUSE

CRITICAL ACCELERATION ENDURANCE INCREASE OF
IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374

MICROWAVE IRRADIATION EFFECT ON BREEDING,
PERIPHERAL BLOOD COMPOSITION, CONDITIONED REFLEX

ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS OF
WHITE MICE A65-20935

MECHANICAL VIBRATION EFFECT ON MITOSIS OF
NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550

INCREASE OF PERIODIC ACID SCHIFF REAGENT
POSITIVE GRANULES IN FOOD DEPRIVED MOUSE
INTESTINAL EPITHELIUM DURING GLUCOSE ABSORPTION
A65-80013

COMBINED EFFECT OF VIBRATION AND IONIZING
RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW
CELLS IN MOUSE A65-80043

RADIATION PROTECTION BY SEVERAL DRUGS IN MOUSE
A65-80095

SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE A65-80111

PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN
MOUSE A65-80114

ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN
SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122

RADIATION RESISTANCE OF MICE AS AFFECTED BY
EXERCISE AND OXYGEN BREATHING A65-80132

RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE
OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES
A65-80164

ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS(2-GUANIDOETHYL) DISULFIDE /GED/
A65-80169

EFFECT OF S, 2, -AMINO-ETHYLISOTHIURONIUM ON IMMUNE
MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA
A65-80170

RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171

EOSINOPHIL REACTION TO OCULAR LIGHT STIMULI
MEASURED IN MAN AND MOUSE A65-80194

ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE
A65-80326

DECREASED BODY TEMPERATURE AND EFFECT
ON CONDITIONED REFLEXES IN RATS
A65-80328

ELECTROENCEPHALOGRAPHIC CHANGES IN MICE IN
WAKE-SLEEP CYCLE A65-80329

MAGNETIC FIELD EFFECT ON GENETIC CODE OF MOUSE
A65-80415

GROWTH RATE OF MICE OF DIFFERENT AGES EXPOSED TO
HOMOGENEOUS AND INHOMOGENEOUS MAGNETIC FIELDS
A65-80416

REJECTION OF TRANSPLANTED TUMORS IN MICE OF BOTH
SEXES EXPOSED TO MAGNETIC FIELDS
A65-80417

CIRCULATING LEUKOCYTE NUMBER CHANGES OF YOUNG AND
OLD FEMALE MICE EXPOSED TO MAGNETIC FIELDS
A65-80418

REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE
THROUGH MAGNETIC FIELD PRETREATMENT
A65-80419

LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH
PRETREATMENT IN MAGNETIC FIELDS PRODUCING
LEUKOCYTOSIS A65-80420

MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE REGENERATION IN MOUSE A65-80421

SURVIVAL OF ANIMALS, INCLUDING MICE AND FRUIT FLY, DROSOPHILA MELANOGASTER, IN MAGNETIC FIELDS OF 140,000 OERSTEDS A65-80425

MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE AS RELATED TO TISSUE TYPE AND AGE AND FIELD STRENGTH AND TEMPERATURE A65-80426

MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA MELANOGASTER, AND S-37 MOUSE TUMOR CELLS A65-80462

BOUND AND FREE CORTICOSTEROID IN PLASMA OF TWO SUBSPECIES OF DEER MICE, PEROMYSCUS MANICULATUS, AFTER EXPOSURE TO LOW AMBIENT TEMPERATURE IDENTIFIED THROUGH CHROMATOGRAPHY A65-80511

COMBINED ACTION OF X-RAY RADIATION AND VIBRATION ON BONE MARROW CELL MITOSIS OF MICE A65-80535

RADIOPROTECTIVE ACTION OF MELANIN IN X-RAY RADIATION EXPOSURE IN MICE A65-80543

ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE A65-80796

2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION A65-80824

RADIATION PROTECTIVE EFFECT OF ETHYL PALMITATE, OLIVE OIL AND OTHER VEGETABLE OILS IN MOUSE A65-80844

PROTECTIVE EFFECT OF CYSTEINE AND S, 2-AMINO-ETHYLISOTHIURONIUMBROMIDE-HYDROBROMIDE ON RADIATION-INDUCED LETHAL MUTATION IN MOUSE A65-80845

EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON MITOSIS OF BONE MARROW CELLS IN MICE A65-80922

DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER IRRADIATION A65-80985

RADIOPROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE IN X-IRRADIATION MICE A65-81029

ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033

AIR EMBOLISM IN MICE AFTER EXPLOSIVE DECOMPRESSION AND POSSIBLE PREVENTION A65-81078

PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST ANOXIA IN MICE A65-81209

INVESTIGATIONS INTO PROTECTIVE ACTION OF ANESTHETICS AGAINST ANOXIA IN MICE A65-81210

RADIOPROTECTIVE EFFICIENCY OF MEXAMINE A65-81243

HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE MARROW OF MICE TWICE IRRADIATED WITH COBALT 60 DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE MARROW A65-81265

INFLUENCE OF INDOLYLALKYLAMINES AND OTHER COMPOUNDS ON ABILITY OF MICE TO TOLERATE LOW BAROMETRIC PRESSURE IN PRESSURE CHAMBER A65-81266

HYPOTHALAMO-HYPOPHYSAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288

QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION A65-81535

VESTIBULAR RESPONSE TO SOUND - SINGLE UNIT RECORDING FROM VESTIBULAR NERVE IN FENESTRATED DEAF MICE A65-81537

EFFECT OF PROTECTORS ON BONE MARROW REGENERATION AFTER IRRADIATION BY SUBLETHAL DOSES OF X-RADIATION A65-81551

PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598

REGENERATION OF BONE MARROW AFTER IRRADIATION BY 600 MEV PROTONS AND X-RAY IN ALBINO MICE A65-81627

DISTRIBUTION OF PSEUDOURIC ACID AS RESULT OF VARIOUS MODES OF INTRODUCTION, DOSES AND CONDITIONS OF IRRADIATION IN MICE A65-81675

FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS RELATION TO RADIATION SICKNESS AND MORTALITY OF MULTIPLE IRRADIATED MICE A65-81748

NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES, GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN MICE EXPOSED TO ACCELERATION STRESS A65-81948

COMPARATIVE RADIOPROTECTIVE EFFECT OF MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE EXPOSED TO GAMMA RADIATION OR IRRADIATION BY PROTONS OF 120-660 MEV ENERGY A65-81989

EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW CELLS IN MICE A65-82078

ADAPTATION OF DOMESTIC MICE TO COLD ENVIRONMENT A65-82103

PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY METHYL DOPA A65-82191

AVOIDANCE RESPONSE TO VARIOUS HYPOXIC ATMOSPHERES AND REVERSAL BEHAVIOR IN WHITE MICE A65-82209

SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY AND LIPO PEROXIDATION A65-82358

LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE USNRDL-TR-784 N65-11666

PEROGNATHUS INVESTIGATED AS EXPERIMENTAL ORGANISM FOR SPACE BIOLOGY RESEARCH NASA-CR-59706 N65-12413

BIOLOGICAL RHYTHMS IN POCKET MICE NASA-CR-50597 N65-16436

TIME FACTOR INITIATING FREEZING AND ICE PENETRATION AND FORMATION IN MOUSE LIMB TISSUE AAL-TDR-63-27 N65-17910

OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE N65-18089

DIFFERENT ROUTES OF CHALLENGE OF COXSACKIE B VIRUS ON COLD STRESSED MICE AAL-TDR-64-2 N65-18973

INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE N65-19214

DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE N65-19215

RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216

CORTISONE INFLUENCE ON GLYCOGENOGENESIS, ENDOTOXIN

SUBJECT INDEX

MUSCLE

LETHALITY, AND TRYPTOPHAN PYRROLASE INDUCTION IN
COLD-EXPOSED MICE
AAL-TDR-64-5 N65-19289

RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES,
EXPOSURE OF MICE TO GAMMA RADIATION, AND
LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS
EXPOSED TO RADIATION
FTD-TT-64-746/162 N65-21208

CORRELATION OF RADIATION DISEASE DATA IN MICE WITH
LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE
RANGE DIFFERENCE DUE TO INDIVIDUAL
N65-21210

PROTECTION AGAINST X- AND GAMMA RADIATION IN
MICE PRETREATED WITH 2-AMINOETHYLISOTHIURONIUM
BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE
CREATININE SULFATE AND IN NONTREATED MICE
UCLA-12-552 N65-21824

INTRAPERITONEAL INOCULATION OF MICE WITH SUBLETHAL
DOSAGES OF VIRUSES N65-22312

INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL
ORGANISM FOR RESEARCH IN SPACE BIOLOGY -
REPRODUCTIVE CYCLES, BREEDING AND REARING IN
CAPTIVITY
NASA-CR-62556 N65-23002

SHIFT IN DISTRIBUTION OF BODY NITROGEN IN
IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662

BLOOD CIRCULATION IN MICE AND RATS TRACED FOR
DETERMINING INFLUENCE OF ANTIRADIATION DRUGS
ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN
IN ORGANS N65-26390

CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM,
AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD
AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND
RADIOACTIVE TRACING MEASUREMENTS
AAL-TDR-64-14 N65-27531

DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561

ENZYME INDUCTION AND CORTISONE PROTECTION IN
ENDOTOXIN-POISONED MICE
AAL-TDR-64-8 N65-30826

REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847

COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039

MUSCLE

SA CRAMP
SA ELECTROCARDIOGRAPHY
SA MYOELECTRIC POTENTIAL

STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION
AGAINST NOISE INJURY AND IN UNDERSTANDING OF
SPEECH A65-80010

SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF
STAPEDIUS AND TENSOR TYMPANI MUSCLES
A65-80035

MIDDLE EAR MUSCLE REFLEXES ELICITED BY ACOUSTIC
AND NONACOUSTIC STIMULATION A65-80036

MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092

SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING
OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY
OF INVOLUNTARY MOVEMENTS A65-80173

ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE A65-80180

PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256

EXCITATION-DURATION CURVES AFTER ACUTE
OCCUPATIONAL CARBON MONOXIDE POISONING
A65-80278

ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION
BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT
A65-80520

ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL
HYPEREMIA OF SKELETAL MUSCLE OF DOG
A65-80610

INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL
ILLUSIONS A65-81218

ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL A65-81500

EFFECT OF MUSCULAR STRESS OF DURATION OF DIFFERENT
COMPONENTS OF MOTOR REACTION OF LOWER EXTREMITIES
IN YOUNG ATHLETES A65-81509

SHORT-LATENCY HUMAN MUSCLE AND BRAIN EVOKED
RESPONSES TO CLICKS A65-81635

EYE LID MOVEMENT EFFECT UPON ELECTRO-OCULOGRAPHIC
RECORDING OF VERTICAL EYE MOVEMENTS
A65-81969

RELATIONSHIP BETWEEN CHANGES IN ELECTRIC POTENTIAL
OF FOREARM MUSCLES AND ACRAL VASOMOTOR REACTION
EVOKED BY DEEP INSPIRATION A65-81993

WORK CAPACITY OF SYNERGIC MUSCULAR GROUP
A65-82005

COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066

NATURE AND CAUSE OF MUSCULAR HYPEREMIA DURING
PHYSICAL EXERCISE IN CATS A65-82069

STAPEDIUS REFLEX TO TONE STIMULI OF MEDIUM
LOUDNESS IN ALERT RABBIT A65-82142

NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160

DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS
A65-82178

QUANTITATIVE MEASUREMENTS OF CIRCULATION OF CALF
MUSCULATURE IN MAN A65-82229

INFLUENCE OF PROLONGED WEIGHTLESSNESS ON
AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED
AMPLIFICATION OF TONUS OF VAGUS NERVE
N65-15445

ELECTROMYOGRAPH FOR RECORDING OF ELECTRICAL
MUSCLE DISCHARGE N65-15720

EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION
TO HYPOXIA IN AGING HUMANS N65-17765

ANOXIA INFLUENCE ON METABOLISM OF SMOOTH MUSCLE
N65-17772

HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS
USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF
DAMAGED ENDOCARDIUM N65-17796

INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS
AAL-TDR-63-39 N65-18971

- TETRATHIONATE EFFECT ON STABILITY AND IMMUNOLOGICAL PROPERTIES OF MUSCLE TRIDIPHOSPHATE DEHYDROGENASES
NASA-CR-56251 N65-19962
- ELECTRICAL PARAMETERS MEASURED FOR DETERMINING INFLUENCE OF IONIZING RADIATION ON SUBMICROSCOPIC STRUCTURE OF STRIATED FROG MUSCLES N65-26382
- EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS
JPRS-31013 N65-28142
- NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND RELATIONSHIP BETWEEN NERVOUS AND HUMORAL PROCESSES - INJECTIONS OF SEROTONIN AND HISTAMINE
JPRS-31968 N65-33429
- REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117
- MUSCULAR FATIGUE**
FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS
A65-80991
- WORK PULSE RATE AS INDICATOR OF PERSISTING MUSCLE FATIGUE IN HUMANS
A65-81270
- MUSCULAR FUNCTION**
SA HEART FUNCTION
SA KINESTHESIS
SA SHIVERING
- CONVULSIONS CAUSED BY HIGH PRESSURE OXYGEN / OHP/ AND RELATIONSHIP TO PARALYSIS
A65-14233
- WRITING MOTION COORDINATION IN SPACE FLIGHT CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
- OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM MUSCULAR EXERCISE OF FLYING CADETS
A65-20984
- SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC PERCEPTION AND COLOR VISION
A65-29058
- MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT TEMPERATURE
A65-30482
- EXERCISE EFFECTS ON CORONARY AND PULMONARY CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY SINUS CATHETERIZATION
A65-31346
- LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR ACTIVITY
A65-36398
- ROLE OF MUSCULAR CONTRACTIONS IN CHEMICAL THERMOREGULATION IN ALBINO RATS UNDER HYPOXIC CONDITIONS
A65-80603
- MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT IN SLEEP
A65-81483
- EFFECT OF TYMPANIC MUSCLE ACTIVITY ON MOVEMENT OF EARDRUM, ACOUSTIC IMPEDANCE AND COCHLEAR MICROPHONICS
A65-81505
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION
N65-13737
- TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART FUNCTION
N65-16625
- BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND ELECTROMYOGRAM CONTROL STUDIES
REPT.-65-14 N65-24004
- CORRELATIONAL STUDY OF MYOPOTENTIAL RESPONSE AND FORCE OF MUSCLE CONTRACTION DURING VARYING ACTIVITY DEMANDS
REPT.-2386 N65-25529
- MUSCULAR STRENGTH**
FULL-SCALE WEARABLE NONPOWERED EXOSKELETAL STRUCTURE /MAN AMPLIFIER/ FABRICATION AND TESTING TO DETERMINE EFFECT ON WORK TASK PERFORMANCE
A65-19149
- RESPONSE STRENGTH AND DURATION OF SUBMAXIMAL HOLDING ENDURANCE FOR MEASUREMENTS AT 20 BODY POSITIONS
A65-30102
- PRE-TENSED AND FREE-ARM SPEED AS AFFECTED BY STRENGTH TRAINING
A65-80525
- MUSCULAR PERFORMANCE IN MALE ATHLETE UNDER INFLUENCE OF TWO PSYCHOSTIMULANT DRUGS
A65-81228
- RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER ISOMETRIC AND DYNAMIC METHODS OF TRAINING
A65-81269
- RATE OF INCREASE OF STRENGTH THROUGH ISOMETRIC TRAINING AS FUNCTION OF INITIAL RESTING LENGTH OF MUSCLE IN MEN AND WOMEN
A65-81271
- DEVELOPMENT OF ISOMETRIC STRENGTH AT DIFFERENT ANGLES WITHIN RANGE OF MOTION
A65-81568
- DEVICE FOR MEASURING SIMULTANEOUS FLEXION STRENGTH OF BOTH WRISTS
A65-82335
- MUSCULAR ANATOMY AND STRENGTH COMPARED IN CHIMPANZEE AND HUMAN
ARL-TR-65-4 N65-26129
- MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE - MUSCULAR-SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT FEMALE CHIMPANZEE
ARL-TR-65-3 N65-27544
- VARIATIONS IN STRENGTH OF MUSCLES DURING MOVEMENT USING DYNAMOMETER MEASURING DEVICE
NASA-TT-F-9339 N65-27676
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE OF MONKEYS, APES, AND HUMANS
ARL-TR-65-8 N65-36722
- MUSCULAR SYSTEM**
SA MOTOR SYSTEM /BIOL/
- FEASIBILITY OF WEARABLE EXOSKELETAL STRUCTURE FOR STUDYING MOTION AND PERFORMANCE OF WEARER AT WORK TASKS
ASME PAPER 64-WA/HUF-3 A65-13421
- MECHANOELECTRICAL AND BIOMECHANICAL PRINCIPLES OF CONTROL OF HUMAN UPPER LIMB MUSCLES
A65-20495
- INTRINSIC EYE MOVEMENT NOISE DURING VISUAL TASK
A65-80048
- REACTION TIME FOR TASKS INVOLVING ARM AND LEG MOVEMENTS
A65-80522
- EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN MAN
A65-80639
- INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH DIFFERENT MUSCLE GROUPS
A65-80673
- STUDY OF TREMOR IN HUMAN POSTURE MECHANISM
A65-80749
- CALCULATION OF PHYSIOLOGICAL TREMOR BASED ON WORK OF MOTOR UNITS IN MAN
A65-80750
- VARIATIONS IN TREMOR FREQUENCY RANGE WITH TYPE OF MOTOR UNIT WORK IN MAINTAINING POSTURE
A65-80751

- QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN
SUSTAINED POSTURE IN HUMANS A65-80753
- RELATIONSHIP OF DISCHARGE TIME IN MOTOR NEURONS OF
MUSCLES ANTAGONISTS IN HUMANS BY ANALYSIS OF EMG
A65-80760
- RELATIONSHIP BETWEEN INTRAMUSCULAR TEMPERATURE AND
SINGLE AND POLYPHASIC POTENTIAL OF STRIATED MUSCLE
IN RABBITS A65-80832
- KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- HUMAN POSTURE AND MUSCULAR SYSTEM IN RELATION TO
GRAVITY A65-80987
- ELASTIC COMPONENT AND COURSE OF FATIGUE IN
DENERVATED MUSCLE OF RAT A65-81709
- OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN
BREATHING AT NATURAL HIGH ALTITUDES AND DURING
SIMULATED ALTITUDE A65-81873
- EFFECT OF PROPRIOCEPTIVE STIMULATION ON HUMAN
MUSCLE ACTION BASED ON ELECTROMYOGRAPHIC STUDIES
A65-81878
- ACCURACY OF ACTIVE AND POSITIVE POSITIONING OF LEG
ON BASIS OF KINESTHETIC CUES A65-81992
- INDIVIDUAL DIFFERENCES IN MAXIMAL SPEED OF
MUSCULAR CONTRACTION AND REACTION TIME A65-82331
- VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL
INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF
AUTONOMIC NERVES AND SPINAL CORD N65-13677
- INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR
SYSTEMS TO IONIZING RADIATION N65-23467
- BIOLOGICAL EFFECT OF PROTONS - EFFECT OF
RADIATION PROTECTIVE SUBSTANCES ON AFTERGLOW OF
IRRADIATED SOLUTIONS OF SERUM ALBUMIN - MUSCULAR
SYSTEM EXCITATION DISTRIBUTION JPRS-31547 N65-31038
- PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN
TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING
CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS
EXCHANGE N65-31041
- MUSCULAR TONUS
- MUSCULAR TENSION, TASK RESISTANCE, AND SPEED OF
RESPONSE A65-80060
- MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING
RELATED TO EYE MOVEMENT RECORDED ON
ELECTROENCEPHALOGRAM A65-80157
- REACTION TIME AND SPEED OF MOVEMENT OF SUPPORTED
LIMB AS AFFECTED BY MUSCULAR STRETCH, TENSION, AND
RELAXATION A65-80524
- PRE-TENSED AND FREE-ARM SPEED AS AFFECTED BY
STRENGTH TRAINING A65-80525
- OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022
- EFFECTS OF INDUCED MUSCLE TENSION AND AUDITORY
STIMULATION ON TACHISTOSCOPIC PERCEPTION A65-81567
- PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF X-RAY
IRRADIATED DOGS TO INDUCED MUSCULAR CONTRACTIONS
OF HIND LEGS IN VIVO TID-20979, ADDEND. N65-30567
- EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL
ENDURANCE OF IRRADIATED MICE AND RATS AFTER
ADRENAL GLAND REMOVAL, AND ON MUSCULAR TONUS OF
GUINEA PIG INTESTINE JPRS-31993 N65-35890
- EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG N65-35892
- MUTATION
- SA CONGENITAL ANOMALY
SA GENETICS
- INCORPORATION OF 5-BROMOURACIL AND PLASTID
MUTATION DURING REPLICATION OF PLASTID
DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND
SULPHANILAMIDE A65-31389
- VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT
ON APPEARANCE OF DOMINANT LETHALS IN RUDIMENTARY
CELLS OF DROSOPHILA A65-32302
- NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER A65-80188
- MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS A65-80657
- EFFECT OF ULTRAVIOLET RADIATION GROWTH AND
MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON
GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF
TRITIUM DECAY NASA-CR-59196 N65-10112
- PROTON TUNNELING AND OTHER MECHANISMS OF
MUTATION N65-10114
- MOLECULAR BIOLOGY - CHEMICAL MUTAGENESIS IN
BACTERIOPHAGE AND GENETIC REGULATION OF PROTEIN
BIOSYNTHESIS IN MICROORGANISMS JPRS-28187 N65-14164
- SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION
BETWEEN PRIMARY EFFECTS OF RADIATION AND
CHEMICAL MUTAGENS N65-25612
- GENETIC ADAPTATION OF ORGANISMS TO RADIATION AND
PRACTICAL USE OF MUTAGENS N65-28290
- ANIMAL AND PLANT GENETICS - INDUCED MUTATION
PROCESSES JPRS-31514 N65-31536
- LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST
CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS
N65-34582
- MYOELECTRIC POTENTIAL
- EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY
A65-80632
- RELATIONSHIP BETWEEN INTRAMUSCULAR TEMPERATURE AND
SINGLE AND POLYPHASIC POTENTIAL OF STRIATED MUSCLE
IN RABBITS A65-80832
- CORRELATIONAL STUDY OF MYOPOTENTIAL RESPONSE AND
FORCE OF MUSCLE CONTRACTION DURING VARYING
ACTIVITY DEMANDS REPT.-2386 N65-25529
- MYOPIA
- MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT
DUTY A65-81826
- N
- NARCOSIS
- NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO
OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS N65-17777
- NASA PROGRAM
- SA SPACE PROGRAM

NAVIGATION

SUBJECT INDEX

- N ASA AND USAF PROGRAMS IN SPACE BIOLOGY, INCLUDING BIOSATELLITES, TO STUDY ENVIRONMENTAL EFFECTS ON VARIOUS ANIMALS A65-28616
- N ASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL, EVOLUTIONARY AND GENETIC EFFECTS OF WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH ROTATION A65-30692
- ROLE OF MAN IN EXPLORATION OF SPACE A65-80813
- NASA PROGRAM TO DEVELOP IN-FLIGHT MEDICAL MONITORING WITH COMPUTER TECHNIQUES FOR HANDLING DATA A65-81336
- JOB OPPORTUNITIES AND OCCUPATIONS IN NASA SPACE PROGRAM A65-81390
- NASA PROGRAM FOR BIOLOGICAL EXPLORATION OF MARS AS SUGGESTED BY NATIONAL ACADEMY OF SCIENCES SPACE SCIENCE BOARD A65-82219
- COLD TEST EVALUATION OF COMPONENTS OF NASA PROGRAM MERCURY SURVIVAL KIT AAL-TOR-64-24 N65-24083
- NAVIGATION
 - S RADAR NAVIGATION
 - S SPACE NAVIGATION
- NAVIGATION AND GUIDANCE
 - MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES A65-80433
- NAVIGATION INSTRUMENT
 - FLIGHT CONTROL AND NAVIGATION INSTRUMENTS N65-13743
- NEGATIVE FEEDBACK
 - S DEGENERATION
- NEON
 - GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING CAPACITY DETERMINATIONS A65-82170
- NERVOUS SYSTEM
 - SA AUTONOMIC NERVOUS SYSTEM
 - SA BRAIN
 - SA CENTRAL NERVOUS SYSTEM
 - SA CEREBRAL CORTEX
 - SA CEREBROSPINAL FLUID
 - SA CEREBRUM
 - SA NEUROLOGY
 - SA NEURON
 - SA NEUROSCIENCE
 - SA PERIPHERAL NERVOUS SYSTEM
 - SA RECEPTOR
 - SA SPINAL CORD
 - SA SYMPATHETIC NERVOUS SYSTEM
 - SA SYNAPSE
- STEADY ARRIVAL OF CUTANEOUS IMPULSES AT SPINAL CORD RESULTS IN STEADY DEPOLARIZATION OF PASSIVE AFFERENT TERMINALS A65-16316
- MYELINATED FIBER DEGENERATION AND REGENERATION IN CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV ALPHA PARTICLE RADIATION A65-21945
- RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO PERIPHERAL CUTANEOUS UNMYELINATED FIBERS A65-22352
- ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL GANGLIA ELECTRICAL ACTIVITY A65-22674
- TRANSMISSION OF NERVE STIMULI IN MAN AND ANIMALS INCLUDING STRUCTURE OF NEURONS A65-26142
- INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE TO DOSE OF MONOFLUOROACETATE A65-30077
- COMPARISON OF SELECTED FEATURES OF ELECTRIC RESPONSES RECORDED FROM UNITS IN AUDITORY NERVE AND COCHLEAR NUCLEUS A65-31724
- EXCITATION-DURATION CURVES AFTER ACUTE OCCUPATIONAL CARBON MONOXIDE POISONING A65-80278
- BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED SUBJECTS AT REST AND DURING EXERCISE A65-80455
- PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE SYSTEMS A65-80491
- STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET RADIATION DURING PROPHYLACTIC TREATMENT IN CHILDREN A65-80592
- RESPONSE OF CARDIOVASCULAR SYSTEM TO COLD-BLOCK OF VAGUS TRUNK A65-80602
- ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL DOSES OF IONIZING RADIATION A65-80648
- RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE AND AMYTAL A65-80649
- RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF AIRWAY SMOOTH MUSCLE A65-80667
- EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM ON THERMORECEPTORS OF HUMAN SKIN A65-80715
- EFFECT OF AREA STIMULATED AND DURATION OF THERMAL STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY NEURON FUNCTION A65-80718
- MICROWAVE EFFECT ON NERVE FUNCTIONAL STATE IN FROGS A65-80747
- RELATIONSHIP OF DISCHARGE TIME IN MOTOR NEURONS OF MUSCLES ANTAGONISTS IN HUMANS BY ANALYSIS OF EMG A65-80760
- NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON DIOXIDE POISONING TREATED WITH ETHOPROPAZINE A65-80822
- BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN WEIGHTLESSNESS DURING MANNED SPACE FLIGHT A65-80920
- HISTOCHEMICAL DEMONSTRATION OF ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS OF VESTIBULAR BONES OF GUINEA PIGS A65-81044
- BEHAVIORAL BIOPHYSICS - ELECTROMAGNETIC RADIATION AND RELATION TO BEHAVIOR OF ORGANISMS A65-81206
- INTERVENING NEURAL ACTIVITY IN VISUAL PERCEPTION - HYPOTHETICAL CONSTRUCT A65-81244
- MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT SKIN A65-81278
- OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG FOLLOWING CALORIC STIMULATION OF LABYRINTH A65-81313
- CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF DIFFERENT RADIO-FREQUENCY BANDS A65-81371
- DC RESTING POTENTIALS OF CAT AS AFFECTED BY

SUBJECT INDEX

NERVOUS SYSTEM

ELECTRIC AND THERMIC STIMULATION OF EFFERENT
VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE
A65-81379

DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY
PHOTIC STIMULATION BY STUDY OF
ELECTROENCEPHALOGRAMS A65-81454

DEGREE OF RESPONSE OF VARIOUS PHYSIOLOGICAL
SYSTEMS TO VIBRATION STRESS IN ALBINO RATS
A65-81701

ELASTIC COMPONENT AND COURSE OF FATIGUE IN
DENERVATED MUSCLE OF RAT A65-81709

CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND
ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC
NERVES A65-81847

NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES,
GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN
MICE EXPOSED TO ACCELERATION STRESS A65-81948

AUDITORY ACTIVITY IN UNCROSSED CENTRIFUGAL
COCHLEAR FIBERS IN CAT A65-82043

COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066

SIGNIFICANCE OF OLIVO-COCHLEAR BUNDLE FOR
ADAPTATION MECHANISM OF INNER EAR A65-82131

STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR
NUCLEUS IN CATS A65-82135

ELECTRIC STIMULATION OF VESTIBULAR EFFERENT SYSTEM
AS RELATED TO NERVE ACTIVITY AND DC RESTING
POTENTIAL A65-82140

NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160

NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH
ENERGY PROTONS IN DOGS A65-82241

INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL
ACTIVITY IN SENSORY PERCEPTION A65-82267

STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND
REACTION TIME IN DETERMINING AUDITORY NEURAL
LESIONS A65-82270

ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307

ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN
EYES OF CATS DURING LIGHT AND DARK ADAPTATION.
A65-82353

INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT A65-82355

MEDICAL INVESTIGATIONS OF CIRCULATION, NERVOUS,
AND DIGESTIVE SYSTEMS IN HEALTHY AND DISEASED
HUMANS AND ANIMALS JPRS-27178 A65-10212

PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY
AFTER CORTEX ABLATION NASA-TT-F-9178 A65-11451

HUMAN NERVOUS SYSTEM AS CONTROL SYSTEM FOR
VOLUNTARY MUSCLES FTD-MT-63-265 A65-11585

ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF
NERVOUS SYSTEM FTD-TT-63-1170/162 A65-11760

INFORMATION THEORY APPLIED TO NEURAL NETS AND
MOTOR AND VISUAL NERVOUS SYSTEMS

AMRL-TR-64-80 N65-11898

SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND
MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC
ENERGY REPT.-64-01 N65-12840

STRUCTURE AND FUNCTION OF CENTRAL NERVOUS SYSTEM
AND MECHANISMS OF BRAIN ACTIVITY JPRS-27947 N65-13398

MORPHOLOGICAL CHANGES IN NERVOUS SYSTEM OF ANIMALS
SUBJECTED TO LATERAL ACCELERATIONS N65-13666

HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN
MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS N65-13685

CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS
AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED
N65-13703

HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND
TRAINING OF FLIGHT PERSONNEL N65-13753

ROLE OF NERVOUS SYSTEM IN REACTION OF ORGANISM TO
ACCELERATIONS N65-13755

SIGNIFICANCE OF PARASYMPATHETIC NERVOUS SYSTEM
TONE FOR INCREASING RESISTANCE TO FLIGHT
CONDITIONS N65-13774

CHANGES IN NERVOUS SYSTEM IN VERTIGO AND AFTER
TERMINAL CONDITIONS JPRS-28177 N65-13863

MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN
NEURAL PROCESSES OF EXCITATION AND INHIBITION
N65-14579

BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND
PSYCHIC DISEASES JPRS-28527 N65-15872

ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NERVOUS
SYSTEM JPRS-28687 N65-16726

EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS
SYSTEMS N65-18886

MICROWAVE IRRADIATION EFFECT ON FUNCTIONAL
CONDITION OF NERVES N65-18889

CHANGES OF HIGHER NERVOUS ACTIVITY AND VEGETATIVE
REACTIONS DURING LONG EXPOSURE TO RELATIVE
ADYNAMIA AND ISOLATION FTD-TT-64-635/18264 N65-19197

MECHANISMS OF TROPHIC FUNCTION OF NERVOUS SYSTEM
AND ROLE IN NUTRITION REGULATION JPRS-29303 N65-20099

LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM NASA-TM-X-51741 N65-22189

GRAVITATION EFFECT ON NERVOUS SYSTEM DURING SPACE
FLIGHT, AND EFFECTS OF AGE, SOUND, AND PHOTIC
STIMULI ON ARTERIOSCLEROSIS AND ROLE OF NERVOUS
SYSTEM IN PATHOGENESIS JPRS-29666 N65-23443

GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM
ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION
N65-23444

INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR
SYSTEMS TO IONIZING RADIATION N65-23467

ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND
DRUG ACTION ON BRAIN, LOCALIZATION OF
CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND
MODELING FUNCTIONS OF NERVOUS SYSTEM JPRS-30007 N65-24230

MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND
NERVOUS SYSTEM OF FROGS

- ATD-T-65-39 N65-28123 A65-16311
- RELATIONSHIP OF DIFFERENT STAGES OF CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY ELICITED BY NERVE STIMULATION IN MONKEYS N65-28774
- TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED SLEEP WITH ELECTRICITY JPRS-31347 N65-30711
- EFFECT OF LOCAL AND TOTAL, SINGLE AND CHRONIC VIBRATION ON STATE OF PERIPHERAL AND CENTRAL NERVOUS SYSTEMS N65-31379
- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND SOUND STIMULI JPRS-31467 N65-31531
- NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND RELATIONSHIP BETWEEN NERVOUS AND HUMORAL PROCESSES - INJECTIONS OF SEROTONIN AND HISTAMINE JPRS-31968 N65-33429
- NEURAL NET,
SA ARTIFICIAL INTELLIGENCE
- INFORMATION THEORY APPLIED TO NEURAL NETS AND MOTOR AND VISUAL NERVOUS SYSTEMS AMRL-TR-64-80 N65-11898
- RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF DIGESTIVE SYSTEM TO X-RAY IRRADIATION N65-24877
- NEUROLOGY
- NEUROLOGICAL FINDINGS AFTER PROLONGED SLEEP DEPRIVATION A65-81021
- NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION EFFECTS ON HUMAN EEG FTD-TT-64-267/162 N65-14470
- NEURON
SA RECEPTOR
- MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS A65-31019
- METHOD FOR COMPUTER RECOGNITION OF INTRACELLULARLY RECORDED NEURONAL EVENTS A65-81755
- FORTAN PROGRAM FOR INTRACELLULAR EVENT RECOGNITION A65-81756
- ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN TRAPEZOID NUCLEUS OF RABBIT MEDULLA N65-23373
- EFFECT OF POTASSIUM ION CONCENTRATION ON ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES OF GRAPE SNAIL N65-32661
- INTERNEURONAL TRANSFER FUNCTIONS AND FUNCTIONAL RESPONSE CHARACTERISTICS OF BIOLOGICAL NERVE CELLS SAR-7 N65-32793
- NEURON TRANSMISSION
- TRANSMISSION OF NERVE STIMULI IN MAN AND ANIMALS INCLUDING STRUCTURE OF NEURONS A65-26142
- CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS - PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS SYSTEM JPRS-31577 N65-31520
- NEUROPHYSIOLOGY
SA PSYCHOPHYSIOLOGY
- LOCAL, SEGMENTAL AND SUPRASPINAL INTERACTION WITH DORSOLATERAL SPINAL CUTANEOUS AFFERENT SYSTEM, EXAMINING ELECTRIC STIMULATION EFFECTS
- PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE A65-24201
- VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION METHOD, EXAMINING EFFECT ON BLOOD PRESSURE A65-26747
- CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL AND LATERAL MAMMILLARY NUCLEI AND RELATED STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF CAT BRAIN, NOTING ULTRASONIC LESIONS A65-30738
- ACTION POTENTIAL RECORDED, USING REAL-TIME AND ON-LINE SORTING OF NEUROELECTRIC ACTION POTENTIALS A65-30843
- CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION A65-31007
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR NUCLEUS OF ANESTHETIZED CATS A65-32938
- DECOMPRESSION SICKNESS AND INCIDENCE OF NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF MEDICAL TEAM A65-34200
- ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF HUMAN RESPIRATORY SYSTEM A65-34987
- MICROWAVE EFFECT ON NERVE FUNCTIONAL STATE IN FROGS A65-80747
- NEUROPHYSIOLOGY OF HEAT EXPOSURE A65-80911
- PSYCHOLOGICAL AND NEUROPHYSIOLOGICAL ASPECTS OF VIGILANCE STUDIES- A REVIEW A65-81036
- HYPOTHALAMO-HYPOPHYSEAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288
- BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE AMRL-TDR-64-72 N65-12045
- NEUROPHYSIOLOGY AND ECOLOGY - PROBLEMS IN CYBERNETICS JPRS-27792 N65-14578
- NEUROPHYSIOLOGICAL PROCESSES OF REGULATION, INSPECTION, AND CONTROL N65-14581
- CONDITIONED REFLEX AND MODERN NEUROPHYSIOLOGY NASA-TT-F-306 N65-14946
- NEUROPHYSIOLOGICAL MECHANISMS EFFECT ON EXTERNAL SIGNAL DISCRIMINATION NASA-TT-F-307 N65-14947
- PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM OF ANIMALS - NEUROPHYSIOLOGY JPRS-28419 N65-15045
- COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF BEHAVIOR NASA-CR-53475 N65-15373

SUBJECT INDEX

NITROGEN

- ELECTROMYOGRAPHY - METHOD FOR STUDYING NORMAL AND PATHOLOGICAL FUNCTIONAL STATES OF NEUROPHYSIOLOGY N65-16729
- CORTICAL CONTROL OF EYE MOVEMENTS AND VISUAL THRESHOLD AD-453155 N65-18000
- APPLICATIONS OF AEROSPACE MEDICAL RESEARCH TO NEUROPHYSIOLOGICAL REHABILITATION N65-18532
- EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF NUCLEI IN HYPOTHALAMIC AREA OF RABBITS N65-20141
- COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL NOISE, AND ELECTRORETINOGRAMS AFOSR-65-0039 N65-21449
- NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY, PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL CLINICAL AND BEHAVIORAL PATTERNS NASA-CR-62354 N65-22165
- NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF VERSION AND VERGENCE NASA-CR-238 N65-25300
- COMPUTER METHOD FOR NEUROPHYSIOLOGICAL RESEARCH P-3057 N65-27906
- CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN N65-28756
- NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND REDUCTION OF DATA, AND PATTERN AND CORRELATION ANALYSIS N65-28757
- SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA ACQUISITION IN CONTEXT OF ON-LINE DIGITAL COMPUTER PROGRAMMING N65-28762
- PARAMETERS FOR COMPUTER ANALYSIS OF NEUROPHYSIOLOGICAL DATA USING EEG FROM NORMATIVE LIBRARY N65-28766
- ELECTROPHYSIOLOGICAL IMPLICATIONS OF MODEL OF GLOBAL FUNCTION USING SIMPLE SIMULTANEITY - BRAIN FUNCTION STUDIES WITH EEG N65-28767
- NEUROPHYSIOLOGICAL CEREBRAL CORRELATION MODEL OF INFORMATION TRANSACTIONS, AND INFORMATION STORAGE NASA-CR-64570 N65-32027
- EFFECTS OF NONCONTIGUOUS INDUCING FIELDS UPON RETINAL FLICKER FUSION FREQUENCY THRESHOLD AD-618697 N65-34895
- NEUROSCIENCE
NEURODYNAMICS OF HUMAN AUDITORY SYSTEM JPRS-28308 N65-14748
- DISTURBANCES IN FALSE IMAGES IN NEUROSES AND PSEUDONEUROSES FTD-TT-64-52/1&2 N65-18647
- NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY, PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL CLINICAL AND BEHAVIORAL PATTERNS NASA-CR-62354 N65-22165
- NEUTRON
SA FAST NEUTRON
- RADIATION EFFECT ON FOOD SATIATION IN RHESUS MONKEY A65-81546
- EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA AND NEUTRON RADIATION - OPHTHALMOLOGY N65-21209
- BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN LARGE ANIMALS - RADIATION EFFECTS N65-34583
- BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON DOSIMETRY AND RADIOBIOLOGY JPRS-31822 N65-35016
- NEUTRON ACTIVATION
GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL RESULTING FROM NEUTRON ACTIVATION OF SOIL BY NUCLEAR EXPLOSION UCRL-12339, VOL. I N65-22984
- NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE PROGRAM UCRL-14249 N65-35020
- NEUTRON SOURCE
DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR NEUTRON SOURCES - POLONIUM AND RADIUM JPRS-27625 N65-12074
- NEUTRON STAR
LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE, NUCLEAR POTENTIALS AND PULSATING MODELS A65-31029
- NICOTINE
STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN POSTPRANDIAL AND IN FASTING STATE IN RELATION TO GLUCOSE INTAKE A65-80447
- BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES, ALGAE, AND YEAST A65-80878
- NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING PERFORMANCE, BODY WEIGHT, MORTALITY, AND ATHEROMATOSIS IN RATS A65-80936
- DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE TO SMOKING A65-81433
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED SUSPENSION CULTURES OF RAT BONE MARROW CELLS EUR-2415.E N65-32144
- NIGHT VISION
NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS ATTRIBUTED TO VISUAL ILLUSION INVOLVING OVERESTIMATION OF ALTITUDE A65-30100
- EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF PILOTS A65-36399
- DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE TO SMOKING A65-81433
- EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT BTI-64-1 N65-12090
- NIOBIUM COMPOUND
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC ACID A65-82177
- NITRATE
ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY CHLORELLA PYRENOIDOSA PRINGSHEIM 82T A65-80599
- PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA 71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS AND LIGHT A65-81976
- NITRITE
INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE PERIOD. A65-82051
- NITROGEN
INTENSITY AND DURATION OF BENDS PAINS DETERMINED BY SIMULATED ORBITING LABORATORY FLIGHTS OF VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN

NITROGEN COMPOUND

SUBJECT INDEX

DISSOLVED IN BLOOD A65-24074

OXYGEN INHALATION IN PROLONGATION OF TIME OF
USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN
INHALATION BY RABBITS A65-31343

FACTORS INFLUENCING CONCENTRATION OF EXPIRED
NITROGEN AFTER BREATHING OXYGEN A65-80311

VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES A65-80596

NITROGEN METABOLISM DURING SYNCHRONOUS GROWTH OF
ALGA, CHLORELLA PYRENOIDOSA A65-80880

NITROGEN AND WEIGHT LOSSES DURING STARVATION IN
OBESITY A65-80989

BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING
PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE
AREA FORMULAS A65-81696

INFLUENCE OF INSPIRED ALVEOLAR NITROGEN
CONCENTRATION AND ENVIRONMENTAL PRESSURE UPON RATE
OF GAS ABSORPTION FROM CLOSED AREA OF LUNG IN DOG
A65-82121

CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156

DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159

EFFECT OF DIFFERENT NITROGEN SOURCES ON AMINO ACID
AMOUNT IN GREEN ALGA, SCENEDESMUS QUADRICAUDA
A65-82187

EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82248

HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS N65-13675

OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD
GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL
REVIEW BNL-898 N65-23230

GAS CHROMATOGRAPHY IN CONJUNCTION WITH MODIFIED
VAN SLYKE APPARATUS FOR DETERMINING SMALL
VOLUMES OF NITROGEN IN DISSOLVED BLOOD
SAM-TR-65-6 N65-23841

BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE LF-22 N65-25292

SHIFT IN DISTRIBUTION OF BODY NITROGEN IN
IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662

EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE
ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FRIGGS
JPRS-31013 N65-28142

NITROGEN COMPOUND
SA PSEUDOURA

SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA
PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN
SOURCES, OBSERVING GROWTH A65-32567

ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL
METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE
A65-80080

EFFECT OF NITROGENOUS COMPOUNDS UPON GROWTH AND
ATMOSPHERIC OXYGEN UPTAKE IN BLUE-GREEN ALGAE
A65-80766

NITROGEN OXIDE
SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416

NOBLE GAS
S RARE GAS

NOISE
SA AIRCRAFT NOISE
SA BACKGROUND NOISE
SA IMPULSE NOISE
SA JET NOISE
SA RANDOM NOISE
SA SIGNAL NOISE

HUMAN HEART RATE CONDITIONING WITH NOISE AS
UNCONDITIONED STIMULUS A65-80094

AUDITORY THRESHOLD IN RECRUITS BEFORE AND AFTER
FIRING WEAPONS AS RELATED TO USE OF EAR PROTECTORS
A65-80172

HIGH-AND LOW-LEVEL SOUND EXPOSURES AND
RELATION TO AUDITORY FATIGUE AND ADAPTATION
A65-80270

PHYSICAL WORK PERFORMANCE AS AFFECTED BY
ENVIRONMENTAL CONDITIONS A65-80321

COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY
NOISE A65-80573

TEMPORARY AND PERMANENT HEARING LOSS DURING
PROLONGED EXPOSURE TO NOISE A65-80660

NOISE EFFECT ON PERFORMANCE OF ARITHMETIC TASK
A65-80739

NOISE-INDUCED HEARING LOSS AND BIOPHYSICAL LAW
DESCRIBING LOSS A65-80817

NOISE USED TO ELIMINATE ONE EAR FROM MASKING
EXPERIMENTS A65-81075

HUMAN RESPONSE TO SOUND PRESSURE LEVELS FROM
ULTRASONIC DEVICES A65-81250

HEARING LOSS AT 1000-2000 C.P.S. AS RELATED TO
SPEECH INTELLIGIBILITY PREDICTION A65-81337

PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN
INTENSITY OF WHITE NOISE RELATED TO SIGNAL
DETECTION A65-81343

RELATIONSHIPS FOR TEMPORARY THRESHOLD SHIFTS
PRODUCED BY THREE DIFFERENT NOISE SOURCES
A65-81417

LOUDNESS CHANGE OF PURE TONES WITH CONTRALATERAL
NOISE STIMULATION A65-81428

INTENSE NOISE EFFECTS ON PROCESSING OF CUTANEOUS
INFORMATION OF VARYING COMPLEXITY A65-81558

HEARING LOSS AND AUDITORY FATIGUE IN INDUSTRIAL
WORKERS EXPOSED TO DIFFERENT TYPES OF NOISE-CAUSES
AND PROGRESS A65-81678

MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
SIGNIFICANCE IN AUDIOMETRY A65-81770

HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE
CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE
A65-81871

EFFECT OF WHITE NOISE LEARNING EFFICIENCY IN RATS
A65-81940

INFORMATION THEORY AND FUNDAMENTAL CONSTRAINTS TO
SENSORY DISCRIMINATION OF ANIMALS BY TWO KINDS OF
NEURAL NOISE A65-82062

NOISE AND VIBRATION EXPOSURE CRITERIA
A65-82093

EFFECT OF COMBINED ACTION OF NOISE AND VIBRATION

SUBJECT INDEX

NOISE TOLERANCE

- ON VIBRATION SENSITIVITY IN ADOLESCENTS A65-82245
- JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND WHITE NOISE AS AFFECTED BY REPETITION RATE A65-82295
- PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO IMPULSE NOISE A65-82297
- ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE NOISE A65-82311
- CHANGES IN AUDITORY APPARATUS FROM LONG TERM NOISE EXPOSURE IN INDUSTRIAL WORKERS A65-82315
- CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS NOISE T-411-R N65-15577
- LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR OPPOSITE TO NOISE-ADAPTED EAR TR-24 N65-19521
- CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM PERIODICITY EFFECTS ON TASK PERFORMANCE IN INDUSTRY AD-611788 N65-22678
- WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS NASA-TT-F-9536 N65-32876
- NOISE ATTENUATION
 - NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT SYSTEMS IN SPACESHIP CABINS DURING PROLONGED FLIGHTS A65-35255
 - STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION AGAINST NOISE INJURY AND IN UNDERSTANDING OF SPEECH A65-80010
 - PERSONAL EAR PROTECTION IN NOISE EXPOSURE A65-81345
 - HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE AND TECHNIQUES FOR ATTENUATION AT PERSONNEL POSITIONS TN-4-64 N65-14344
 - NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING LAUNCHING AD-460990 N65-34383
- NOISE HAZARD
 - PREDICTING HEARING LOSS FROM NOISE-INDUCED TEMPORARY THRESHOLD SHIFT A65-80838
 - DAMAGE RISK CRITERION AND CONTOURS BASED ON PERMANENT AND TEMPORARY HEARING LOSS DATA A65-80992
 - NEW PORTABLE ELECTRIC DEVICE FOR REGISTERING TOTAL TIME OF INDIVIDUAL EXPOSURE TO SELECTED LEVEL OF NOISE A65-80994
 - NOISE MEASUREMENTS ON SEVEN TYPES OF SPORTS AIRCRAFT AND NOISE PROPHYLAXIS A65-81087
 - EAR PROTECTORS - USEFULNESS AND LIMITATIONS WITH VARIOUS NOISES A65-81109
 - CHANGES IN BIOELECTRIC CEREBRAL ACTIVITY AND CERTAIN VEGETATIVE VASCULAR REACTIONS RESULTING FROM ACTION OF NOISE A65-81191
 - PROGRAM FOR HEARING CONSERVATION- HAZARDOUS NOISE EXPOSURE IN PERSONNEL AT NAHA AF BASE, OKINAWA A65-81432
 - VARIOUS ASPECTS OF NOISE HAZARD AND HEARING LOSS IN INDUSTRIAL PLANTS A65-81687
 - EFFECT OF NOISE LEVEL ON WORK EFFICIENCY A65-81703
- PROBLEMS OF NOISE HAZARD DURING SPACE FLIGHT AND IN JET PLANES A65-81925
- DIFFERENTIAL DIAGNOSIS OF OCCUPATIONAL DISORDERS OF HEARING DUE TO NOISE HAZARDS A65-81929
- NOISE INJURY
 - HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA A65-80187
 - HEARING-LOSS TREND CURVES AND DAMAGE-RISK CRITERION IN DIESEL-ENGINE ROOM PERSONNEL A65-80882
 - ASSESSMENT OF HEARING DEFECTS OF SUBJECTS WORKING IN NOISY ENVIRONMENTS IN FINLAND A65-81214
 - STATISTICAL STUDY OF HEARING LOSS WITH AGE AND MATHEMATICAL FORMULA DESCRIBING VARIATION IN AUDITORY SENSITIVITY A65-81221
 - CRITERIA FOR ASSESSING RISK OF HEARING DAMAGE A65-81393
 - NOISE EFFECT ON HUMAN PARTICULARLY CARDIOVASCULAR FUNCTION AND NERVOUS SYSTEM A65-81614
 - HEARING PROTECTION METHODS IN NETHERLANDS AIR FORCE A65-82054
 - RESONANCE FREQUENCIES OF THE HUMAN SKULL - AUDIOMETRIC EFFECTS AND PROTECTION A65-82143
- NOISE INTENSITY
 - EQUATION ESTIMATING AURAL DETECTION DISTANCES ASSOCIATED WITH GIVEN AERIAL VEHICLE NOISE LEVEL AIAA PAPER 65-329 A65-32323
 - PSYCHOPHYSICAL MODEL OF LOUDNESS SUMMATION ACROSS FREQUENCY A65-80613
 - PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM VARIOUS WEAPON SYSTEMS A65-81682
 - TWO INVESTIGATIONS IN BINAURAL INTERACTIONS CONCERNED WITH DETECTABILITY AS FUNCTION OF INTERNAURAL INTENSITY DIFFERENCES TRACOR-65-181-U N65-28194
 - EVALUATION OF EXPERIMENTAL HEADSET IN HIGH INTENSITY NOISE FIELD AD-463731 N65-35296
- NOISE MEASUREMENT
 - NOISE MEASUREMENTS ON SEVEN TYPES OF SPORTS AIRCRAFT AND NOISE PROPHYLAXIS A65-81087
- NOISE PROPAGATION
 - BONE-CONDUCTED TONES MASKED BY AIR-CONDUCTED NOISE A65-82023
- NOISE REDUCTION
 - SA EAR PROTECTOR
 - EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL MEASURES N65-13778
- NOISE THRESHOLD
 - HEARING LOSS DUE TO EXPOSURE TO INDUSTRIAL NOISE A65-81258
 - AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS AND PRE-ADOLESCENT CHIMPANZEES NASA-CR-67297 N65-35104
 - HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER OF HUMAN TO DETERMINE THRESHOLD VALUE FOR LIFE-SUPPORT NOISE IN MANNED SPACECRAFT NASA-TT-F-9596 N65-36755
- NOISE TOLERANCE
 - HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE, PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND PERFORMANCE A65-29990
 - PSYCHOLOGICAL INVESTIGATION OF NOISE EFFECT ON

NOMOGRAPH

SUBJECT INDEX

- MOTOR AND MENTAL PERFORMANCE A65-80692
- REDUCING ANNOYANCE FROM AIRCRAFT NOISE A65-81212
- NOISE STRESS- SUBJECTIVE JUDGMENT OF LOUDNESS AND NUISANCE COMPONENTS A65-81350
- TOLERANCE THRESHOLD FOR ACOUSTICAL STIMULI A65-82251
- NOISE LEVEL EFFECTS ON HUMAN HEARING SENSITIVITY JPRS-27559 N65-11933
- EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE OF HUMANS N65-28297
- NOMOGRAPH**
- NOMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN CONSUMPTION IN MAN DURING EXERCISE A65-81920
- NONLIFTING VEHICLE**
- MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING VEHICLE DURING ORBIT, RETOROCKET FIRING, AND REENTRY INTO EARTH ATMOSPHERE NASA-TM-X-359 N65-12802
- NONLINEAR EQUATION**
- NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF CIRCULATORY SYSTEM HDL-TR-1244 N65-28236
- NONLINEAR SYSTEM**
- NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES A65-34985
- NORADRENALINE**
- S NOREPINEPHRINE
- NOREPINEPHRINE**
- URINARY EXCRETION OF EPINEPHRINE AND NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE A65-80113
- ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE TO NOREPINEPHRINE A65-80180
- URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN A65-80252
- RESPONSE OF RIGHT ATRIAL PRESSURE TO VALSALVA MANEUVER AFTER INFUSION OF NOREPINEPHRINE A65-80663
- REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY NOREPINEPHRINE AND SODIUM SULFITE A65-80827
- RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO INFUSED NOREPINEPHRINE AND BODY COOLING A65-81299
- ALTERED CARDIAC MUSCLE TISSUE RETENTION OF EXOGENOUS NORADRENALINE PRODUCED BY STRESS IN YOUNG RABBITS A65-82316
- RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND ADRENALINE AND NORADRENALINE CONCENTRATION IN HUMAN PLASMA DURING VIGILANCE TASK TR-750-5 N65-11250
- FOREARM VASCULAR RESISTANCE MEASURE OF NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING PROLONGED WEIGHTLESSNESS NADC-ML-6511 N65-34467
- NORMAL DISTRIBUTION**
- NORMAL DISTRIBUTION OF HUMAN REACTION TIMES TO VISUAL STIMULUS A65-82337
- PROPERTIES OF LOG NORMAL DISTRIBUTION AND APPLICATION TO RADIATION PROTECTION AERE-R-4736 N65-25647
- NORTH AMERICAN MILITARY AIRCRAFT**
- S X-15 AIRCRAFT
- NOSE**
- SA OLFACTORY PERCEPTION
- QUANTITATIVE METHOD FOR STUDY OF MUCUS FLOW RATE IN HUMAN NOSE A65-82068
- NUCLEAR CHEMISTRY**
- NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC SYSTEM, NOTING FEASIBILITY OF OPERATION A65-16425
- NUCLEAR EFFECT**
- STATUS OF INTRODUCED PLANT SPECIES AT NEVADA NUCLEAR TEST SITE - ECOLOGY UCLA-12-554 N65-24228
- NUCLEAR EMULSION**
- EVALUATIONS OF PLASTIC BADGES CONTAINING BETA, GAMMA, AND NUCLEAR TRACK FILM FOR USE IN PLUTONIUM CHEMISTRY PLANT RFP-451 N65-13333
- NUCLEAR ENERGY**
- SAFETY HAZARDS USING NUCLEAR POWER FOR SPACE VEHICLES A65-80527
- NUCLEAR ENERGY APPLICATION TO BIOLOGICAL SCIENCES - SYMPOSIUM N65-29883
- NUCLEAR EXPLOSION**
- SA UNDERGROUND NUCLEAR EXPLOSION
- RADIOACTIVE CONTAMINATION OF AIRCRAFT OF U.S.S. CARRIER ENTERPRISE IN MEDITERRANEAN FROM FEBRUARY TO AUGUST 1963 A65-16564
- FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR EXPLOSION NADC-ML-6412 N65-15710
- CALCULATION OF RETINAL DOSE FROM VISIBLE RADIATION OF NUCLEAR EXPLOSIONS LA-3204-MS N65-19331
- RADIOACTIVE FALLOUT - LITERATURE ON MATERIALS PRODUCED BY NUCLEAR EXPLOSIONS TID-3086, SUPPL. 2 N65-21442
- GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL RESULTING FROM NEUTRON ACTIVATION OF SOIL BY NUCLEAR EXPLOSION UCRL-12339, VOL. I N65-22984
- MATHEMATICAL DETERMINATION OF FRACTIONING COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR EXPLOSIONS JPRS-30500 N65-25458
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS - RADIOIODINE PRODUCED BY ATOMIC EXPLOSION AEC-TR-6550 N65-27771
- NUCLEAR INTERACTION**
- LACK OF HOMOLGY IN OSCILLATION OF NEUTRON STARS EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE, NUCLEAR POTENTIALS AND PULSATING MODELS A65-31029
- NUCLEAR MAGNETIC RESONANCE**
- PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS, DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100 MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE, LYSOZYME, AND CYTOCHROME C SPECTRA NASA-CR-58662 N65-29650
- NUCLEAR POWER**
- HUMAN FACTORS RELATED TO REMOTE HANDLING OF GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND EXTRAVEHICULAR SPACE OPERATIONS AMRL-TR-64-122 N65-27891

SUBJECT INDEX

NUCLEUS

- NUCLEAR RADIATION
 SA GAMMA RADIATION
 SA POST-BLAST NUCLEAR RADIATION
 ORIENTATION ON NUCLEAR RADIATION, NUCLEAR SAFETY,
 AND EMERGENCY MEASURES N65-15416
 NUCLEAR MEDICINE AND RADIATION BIOLOGY
 UCLA-12-541 N65-17997
 LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR
 DETERMINATION OF LETHAL CONGENITAL ANOMALIES
 FROM X-RAY DOSES N65-23463
 CONTAMINATION OF ENVIRONMENT BY NUCLEAR EXPLOSIONS
 AND ASSESSING RISK OF INDUCTION OF MALIGNANCIES
 BY RADIATION IN MAN N65-24618
 NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET
 UNION
 JPRS-31646 N65-32010
 SURVIVAL OF WINTER ANNUALS IN GROUND CONTAMINATED
 WITH NUCLEAR RADIATION
 UCLA-12-555 N65-32824
- NUCLEAR REACTOR
 S REACTOR
- NUCLEAR ROCKET
 REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR
 ROCKET REACTOR N65-10875
- NUCLEAR SHIELDING
 FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION,
 STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND
 BALLAST N65-18600
- NUCLEAR SUBMARINE
 ENVIRONMENTAL CONTROL OF CLOSED SPACE IN NUCLEAR
 SUBMARINE A65-81039
- NUCLEAR WEAPON
 BLACK BODY AND THERMAL RADIATION FROM NUCLEAR
 WEAPONS IN RELATION TO FLASH BLINDNESS
 A65-26169
- NUCLEIC ACID
 SA CHROMOSOME
 CYTOSINE, ADENINE, GUANINE, THYMINE AND URACIL
 DETECTION IN CORE SAMPLES FROM EXPERIMENTAL
 MOHOLE A65-13171
 EXPERIMENTAL SYNTHESIS OF NUCLEIC ACID AND PROTEIN
 TO TEST BIOCHEMICAL EVOLUTIONARY HYPOTHESIS
 A65-14529
 RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
 NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
 RATS A65-20937
 EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA
 QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE
 ORANGE REACTION A65-30679
 ABIOLOGICAL SYNTHESIS OF SOME NUCLEIC ACID
 CONSTITUENTS A65-80477
 PROJECTING BACKWARD FROM THE PRESENT STAGE OF
 EVOLUTION OF BIOSYNTHESIS - INFORMATION TRANSFER
 WITHOUT NUCLEIC ACIDS A65-80479
 SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES
 DURING SYNCHRONOUS GROWTH OF CHLORELLA
 PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
 A65-80810
 ISOLATION OF DNA-RNA COMPLEX FROM CHLORELLA CELLS
 A65-80933
 SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN
 CONNECTION WITH CHLOROPLAST FORMATION IN GREEN
 ALGA, CHLORELLA PROTOTHECOIDES A65-80937
 PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
 OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
 CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
 RATS EXPOSED TO X-RAY AND GAMMA RADIATION
- BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
 HUMAN SPLEEN
 SCAG-BL-14 N65-20198
 RADIATION EFFECTS ON PROTEIN MOLECULES AND NUCLEIC
 ACIDS IN SOLUTION AND ON INTERFACES N65-23453
 BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN
 MACROMOLECULES, NUCLEIC ACID MOLECULAR
 STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN
 LUMINESCENT BACTERIA
 JPRS-30097 N65-25027
 ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
 SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
 N65-25029
 LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS
 IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC
 ACIDS
 NASA-CR-63246 N65-25590
 MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM
 AFTER EXPOSURE TO ULTRASONIC IRRADIATION -
 ANIMAL STUDY N65-28702
 SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC
 FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND
 METABOLISM OF NUCLEIC ACID - ANIMAL STUDY
 N65-28708
 CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF
 NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN
 CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION
 TID-21440 N65-30175
 ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES
 IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY
 AD-616622 N65-30631
 DNA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY
 OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA
 NASA-TT-F-316 N65-32973
- NUCLEON
 MONTE CARLO COMPUTER PROGRAM FOR CALCULATION OF
 ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS
 AS FUNCTION OF TISSUE SLAB DEPTH
 NASA-CR-63754 N65-27877
 CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION
 FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY
 N65-34596
- NUCLEOSIDE
 SA RIBONUCLEIC ACID
 PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
 PHOSPHATES AND SIMILAR LABORATORY SYNTHESIS
 A65-80476
 SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
 METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
 LIKE SYSTEM A65-80482
 GENERAL PROPERTIES AND DISTRIBUTION OF NUCLEOSIDE
 TRIPHOSPHATASES IN CRUDE EXTRACTS OF ESCHERICHIA
 CGLI
 NASA-CR-59104 N65-29387
- NUCLEOTIDE
 SA POLYNUCLEOTIDE
 SA RIBONUCLEIC ACID
 RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
 NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
 RATS A65-20937
 ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
 ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
 TETRACHLORIDE DAMAGED LIVERS OF MICE
 A65-80326
- NUCLEUS
 SA HEAVY NUCLEUS

NUCLIDE

FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING
MITOSIS, IN TISSUE CULTURES A65-80540

MORPHOLOGY OF VESTIBULAR NUCLEI AND RELATION TO
SPINAL CORD AND CEREBELLUM IN CATS A65-81725

NUCLIDE

NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
PROGRAM UCKL-14249 N65-35020

NUMERICAL CONTROL

PATH OPTIMIZATION FOR NUMERICALLY CONTROLLED
REMOTE MANIPULATOR - MAN-MACHINE SYSTEM
NASA-CR-62878 N65-25002

NUTRITION

SA DIET
SA FOOD
SA SPACE FLIGHT FEEDING

NUTRITIONAL REQUIREMENTS OF ALGAE - ELEMENTS FOR
PHOTOSYNTHESIS AND NORMAL METABOLISM A65-80375

MEDICAL CLIMATOLOGY - ASPECTS OF PHYSIOLOGY,
NUTRITION AND BIOLOGY A65-80548

PROTECTIVE ROLE OF FOODS AND VITAMINS AGAINST
RADIATION EFFECT IN DOGS AND RATS A65-81702

EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82248

NUTRITION IN SPACE ENVIRONMENT - CONFERENCE
NASA-SP-70 N65-18566

HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED
SPACE EXPLORATION N65-18567

WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM -
SPACE EXPLORATION N65-18568

NUTRITION, DIET, AND METABOLISM RESEARCH BY ARMY
MEDICAL SERVICE N65-18571

NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT
N65-18572

NUTRITION AND STRESSES OF SHORT TERM SPACE FLIGHT
N65-18575

PROTEINS IN MANNED SPACE FLIGHT NUTRITION
N65-18579

MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON
MANNED SPACE FLIGHTS N65-18580

HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED
SPACE FLIGHTS N65-18581

DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION N65-18583

SENSORY STIMULATION AS RELATED TO NUTRITION AND
FOOD - APPETITE FACTOR N65-18584

DIET AND NUTRITION EFFECT ON GASTROINTESTINAL
SYSTEM AND BOWEL MOTILITY N65-18585

ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION N65-18592

PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE
FLIGHT N65-18593

ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT
N65-18594

CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION N65-18595

HIGH ENERGY NONFAT NUTRIENT SOURCES - ANIMAL STUDY
IN NUTRITION N65-18598

SUBJECT INDEX

NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601

ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS
RELATED TO NUTRITION AND WASTE N65-18602

RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655

MECHANISMS OF TROPHIC FUNCTION OF NERVOUS SYSTEM
AND ROLE IN NUTRITION REGULATION
JPRS-29303 N65-20099

HUMAN FECAL BACTERIA ISOLATION AND METABOLIC
STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
NASA-CR-62108 N65-21390

SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION
NASA-CR-56268 N65-22180

TISSUE GROWTH OF HIGHER PLANTS IN CONTINUOUS
LIQUID CULTURE - USE IN NUTRITIONAL EXPERIMENT
WITH WEANLING MICE
AMRL-TR-65-101 N65-34492

NUTRITIONAL REQUIREMENT
SA CALORIC REQUIREMENT

LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812

NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846

FOOD INTAKE AND ENERGY EXPENDITURE IN SUBJECTS
ENGAGED IN PHYSICAL EXERCISE A65-80318

NUTRITIONAL REQUIREMENTS IN HOT AND COLD
ENVIRONMENTS AS RELATED TO AGE A65-80500

CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION
A65-81812

EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT
NASA-CR-175 N65-33542

NYSTAGMUS

SA EYE MOVEMENT

CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR
VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER,
NOTING OTOLITH MODULATION OF SENSORY INPUT FROM
SEMICIRCULAR CANALS A65-24081

CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC
STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064

MOTION PICTURE RECORDING OF OPTOKINETIC AND
VESTIBULAR NYSTAGMUS A65-80041

ANALYSIS OF HUMAN ELECTRONYSTAGMOGRAM AND
EVALUATION OF VESTIBULAR APPARATUS FUNCTION
A65-80226

COMPARISON OF ROTATORY AND CALORIC TESTS FOR
DIAGNOSIS OF VESTIBULAR FUNCTION
A65-80586

RELATIONSHIP BETWEEN QUICK COMPONENT OF NYSTAGMUS
AND VESTIBULAR APPARATUS FUNCTION
A65-80601

CORRELATION OF DIENCEPHALIC AND BULBOVESTIBULAR
NYSTAGMOGENIC AREAS A65-80688

EYE NYSTAGMUS ELICITED BY STIMULATION OF
NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT
A65-80944

RELATIONSHIP BETWEEN NYSTAGMUS QUICK COMPONENT AND

- VESTIBULAR APPARATUS IN RABBITS A65-80982
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068
- NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC STIMULATION OF RABBIT EYE A65-81086
- ACCELERATION STRESS OF PITCH AND EFFECT ON NYSTAGMUS A65-81114
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION ALTERED BY CHANGING RESULTANT LINEAR ACCELERATION A65-81115
- SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81199
- EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON VESTIBULAR APPARATUS AND VISION A65-81200
- MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS AND CORIOLIS ACCELERATION A65-81434
- ROLE OF CORNEO-CONJUNCTIVAL SENSITIVITY IN AWARENESS OF EYE MOVEMENT DURING VESTIBULAR NYSTAGMUS A65-81506
- QUANTIFICATION OF HUMAN NYSTAGMIC RESPONSE TO ANGULAR ACCELERATION - PREDICTION FORMULAE AND NOMOGRAPH A65-81527
- REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT A65-81536
- VISUAL CONTROL OF HABITUATION TO COMPLEX VESTIBULAR STIMULATION IN MAN A65-81538
- MODIFICATIONS OF BARANY APPARATUS AND TECHNIQUE FOR EVOKING OPTOKINETIC NYSTAGMUS A65-81612
- ALCOHOL EFFECT ON VESTIBULAR APPARATUS - CAUSES AND DIAGNOSIS BY NYSTAGMUS DURING INTOXICATION A65-81723
- VESTIBULAR THRESHOLD TESTS - DIAGNOSTIC VALUE AND RELATION TO NYSTAGMUS A65-81724
- VESTIBULAR CALORIC TEST CARRIED OUT WITH FOUR SUBJECTS ON HUMAN CENTRIFUGE A65-81805
- ELECTROENCEPHALOGRAPHIC RESPONSES AND NYSTAGMUS AFTER ROTATORY STIMULATION OF VESTIBULAR APPARATUS A65-81850
- NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENCEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT A65-82139
- EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF RABBITS TO ROTATION-ACCELERATORY STIMULI A65-82194
- RESPONSES OF VISUAL SYSTEM TO OPTOKINETIC STIMULI IN RABBITS A65-82227
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC CENTERS IN RABBITS WITH INJURY AND ELECTRIC STIMULATION A65-82354
- NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS AFFECTED BY HYPOXIA A65-82369
- EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR ACCELERATION NASA-CR-59565 N65-11407
- CHARACTERISTICS OF OPTOKINETIC NYSTAGMUS AFTER PROLONGED OPTOKINETIC STIMULATION N65-13698
- COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE TO HEAD TILT AND BODY ROTATION GE/EL/64-8 N65-14436
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING, NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE FAA-AM-64-16 N65-15308
- BILATERAL CALORIC HABITUATION ON NYSTAGMUS RESPONSES ON CAT AM-64-14 N65-15346
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER REGENERATION, BONE MARROW TRANSPLANTATION IN RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS JPRS-29250 N65-20139
- RATE OF NYSTAGMIC FAST COMPONENT PRODUCED BY RHYTHMIC ELECTRICAL STIMULATION OF AMPULLAR RECEPTOR N65-20140
- SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO VESTIBULAR STIMULATION DURING ROTATION JPRS-29571 N65-21363
- RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM NASA-CR-63423 N65-26409
- ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION AM-65-18 N65-26956
- ADAPTATION TO VESTIBULAR DISORIENTATION - NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY ANGULAR ACCELERATION AM-65-24 N65-34303
- EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION ON HORIZONTAL NYSTAGMUS IN CAT REPT.-620 N65-36664
- O
- OBSERVATION
S RADAR OBSERVATION
S VISUAL OBSERVATION
- OCEAN
REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR MEASURING CHARACTERISTICS OF PHYSICAL ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY N65-30381
- OCEANOGRAPHY
SATELLITES AND HIGH FLYING AIRCRAFT TO STUDY CETACEANS AND OTHER LARGE MARINE ANIMALS - OCEANOGRAPHY N65-30369
- OCULAR CIRCULATION
RELATION BETWEEN SYSTEMIC BLOOD PRESSURE AND INTRAOCULAR PRESSURE JPRS-29756 N65-22112
- OCULAR CONVERGENCE
OCULAR MOTILITY PROBLEMS IN FLYING PERSONNEL RELATING TO SAFETY A65-80148
- OIL
SA FUEL OIL
SA PETROLEUM
RADIATION PROTECTIVE EFFECT OF ETHYL PALMITATE, OLIVE OIL AND OTHER VEGETABLE OILS IN MOUSE A65-80844
- OLFACTORY PERCEPTION
RESPONSE OF CAT TO STIMULATION IN OLFACTORY TRACT OF CEREBRAL CORTEX REPT.-64-1 N65-14471
- ON-LINE PROGRAMMING
ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL

- SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM
N65-28752
- SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762
- OPERATION
S PREFLIGHT OPERATION
- OPERATIONAL HAZARD
A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
SAFE OPERATION TIME AS AFFECTED BY SIZE OF
SUBJECTS PERFORMING TRACKING PROBLEM UNDER
ACCELERATION STRESS A65-81373
- OPERATIONAL PROBLEM
OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS N65-10121
- SPACE RADIATION EFFECTS ON APOLLO MISSION -
OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594
- OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND
CONTROLLED REENTRY VEHICLES
NASA-CR-331 N65-36773
- OPERATIONS RESEARCH
AEROSPACE MEDICAL AND BIOENGINEERING
CONSIDERATIONS IN M-2 LIFTING REENTRY VEHICLE
RESEARCH AIRCRAFT OPERATIONS A65-80136
- OPERATOR
QUANTITATIVE EVALUATION OF OPERATOR RELIABILITY IN
MAN-MACHINE SYSTEM N65-13697
- OPERATOR PERFORMANCE
SA ASTRONAUT PERFORMANCE
SA PILOT PERFORMANCE
- DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW A65-18291
- DETERMINISTIC CHARACTERIZATION THEORY FOR
DETERMINING TIME-VARYING DYNAMICS OF HUMAN
OPERATOR ENGAGED IN TRACKING TASKS
A65-22033
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM
A65-35474
- NEW FORMS OF INSTRUMENTATION AND PRESENTATION OF
INFORMATION AIRCRAFT OPERATOR PERFORMANCE
A65-81213
- ELECTROENCEPHALOGRAPHIC EXAMINATION OF PERFORMANCE
OF PERSONNEL DURING LONG FLIGHTS
N65-13756
- RADAR TARGET DETECTION BY TRAINED AND UNTRAINED
OPERATORS
AD-455767 N65-16422
- INHIBITION OF OPERATING ABILITY BY TRAINING ON
RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL
DEVICE - INHIBITION TEST USING DESK CALCULATORS
TR-11 N65-16700
- INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR
PERFORMANCE - SIGNAL DETECTION AND TASK
COMPLEXITY
AD-605713 N65-25770
- EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE
OF HUMANS N65-28297
- UPPER EXTREMITY PROSTHETICS - SENSORY MOTOR
CONTROL - PERFORMANCE OF HUMAN OPERATORS OF
TRACKING SYSTEMS - MYOELECTRIC CONTROL SYSTEMS
REPT.-65-31 N65-34133
- DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- OPHTHALMOLOGY
OPHTHALMOLOGICAL CONSIDERATIONS OF VISUAL PROBLEMS
OF SPACE FLIGHT A65-14807
- OPHTHALMOLOGIST APPROVAL OF CONTACT LENSES BY
PILOTS IF PROPERLY FITTED A65-18434
- AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND
ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT
N65-13643
- OPOSSUM
PROPOSED BIOSATELLITE UTILIZING OPOSSUM FETUSES
FOR STUDYING WEIGHTLESSNESS EFFECTS
A65-80464
- OPTICAL FILTER
SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL
CHARACTER AND ENERGY LEVEL A65-14231
- DETERMINATION OF ATTENUATING FILTERS REQUIRED FOR
EYE PROTECTION AGAINST LASER RADIATION
A65-22614
- SKIN TEMPERATURE RESPONSES TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION A65-80140
- EFFECT OF PROTECTIVE FILTERS AND LENSES ON COLOR
JUDGMENT BY HUMANS
NASA-CR-63766 N65-27956
- OPTICAL ILLUSION
EYE MOVEMENT RECORDER FOR STUDYING VISUAL
ILLUSIONS OF ROTATION A65-10545
- LOCALIZATION OF OPTICAL ILLUSION OF SET IN BRAIN
A65-80044
- VISUAL PROBLEMS AND OPTICAL ILLUSIONS
A65-81423
- DISTURBANCES IN FALSE IMAGES IN NEUROSES AND
PSEUDONEUROSES
FTD-TT-64-52/162 N65-18647
- OPTICAL IMAGE
SA RETINAL IMAGE
- HUMAN VISUAL SYSTEM IN TERMS OF OPTICS AND ENERGY
PULSES, DETAILING COLOR VISION A65-12431
- OPTICAL MEASUREMENT
WOLF TRAP DEVICE DETERMINING GROWTH OF
MICROORGANISMS BY MEASURING INTENSITY OF LIGHT
SCATTERED BY ORGANISMS A65-10731
- FOCUSED AND STRAY LIGHT DISTRIBUTION ON RETINA
PRODUCED BY POINT SOURCE A65-18219
- OPTICAL METHOD
OPTICAL ACTIVITY IN UV REGION OF SPECTRUM
DEVELOPED, USING OPTICAL ROTATION TO DETECT
EXTRATERRESTRIAL LIFE A65-30678
- OPTICAL PROPERTY
OPTICAL PROPERTIES OF YOUNG LEAVES OF PLANTS IN
IR REGION OF SPECTRUM A65-20083
- SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRIO
AFOSR-65-0042 N65-27933
- OPTICAL SENSOR
THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF
SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE
GRATING A65-32834
- OPTICS
SA DIFFRACTION PATTERN
SA FIBER OPTICS
SA FOCUS

- ELECTRON MICROSCOPY AND ELECTRON OPTICS IN EXOBIOLOGY
NASA-CR-62954 N65-24993
- OPTIMAL CONTROL**
OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING COMBINED VARIATIONAL CALCULUS AND PHASE PLANE ANALYSIS A65-14963
- SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY A65-23787
- OPTIMIZATION**
THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION OF TIME-VARYING HUMAN OPERATORS ENGAGED IN TRACKING TASK A65-35475
- TERMINAL PHASE SPACE RENDEZVOUS CONTROL-DISPLAY OPTIMIZATION EXPERIMENTS
LMSC-6-62-64-15 N65-12230
- PHYSICAL AND PSYCHIC EFFORTS OF HUMAN OPERATORS IN ADAPTIVE OPTIMIZATION OF DYNAMIC SYSTEMS N65-17645
- ORBITAL MOTION**
REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT ON SPACECRAFT VOSKHOD JPRS-31913 N65-32344
- ORBITAL RENDEZVOUS**
VISUAL OBSERVATION BY ASTRONAUT OF ANOTHER SPACE VEHICLE FOR SPACECRAFT RENDEZVOUS PURPOSES A65-35483
- PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK USING DIFFERENT THRUST CONTROL SYSTEMS
LMSC-6-65-65-1 N65-20398
- ORBITAL SHOT**
PSYCHOLOGICAL RESEARCH AREAS EXPLORED IN SUBORBITAL AND ORBITAL FLIGHTS BETWEEN APRIL 1961 AND JUNE 1963 A65-80450
- ORBITAL SPACE STATION**
SA MANNED ORBITAL SPACE STATION /MOSS/
HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF ORBITING SPACE STATIONS IN EXTRATERRESTRIAL ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION
AMRL-TR-64-98 N65-23082
- ORBITAL WORKER**
MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED SUBJECTS WHILE LUNGING, EGRESSING AND LANDING DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS A65-24072
- ORBITING SATELLITE**
HEMODYNAMIC EVALUATION OF PRIMATES BEFORE, DURING, AND AFTER LONG PERIODS OF WEIGHTLESSNESS IN EARTH-ORBITING SATELLITE N65-28758
- ORDNANCE**
ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS - IDENTIFICATION FOR DEVELOPMENT AND EVALUATION OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618
- ORE**
S MINERAL
- ORGAN**
INCREASING AGE EFFECT ON DISTRIBUTION OF PERIPHERAL AND REGIONAL FLOW IN MAN A65-80814
- CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS ORGANS AND PROTEIN METABOLISM DURING PHYSICAL EXERCISE IN RATS A65-80836
- PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS, AND BLOOD OF RAT. A65-81746
- EXPERIMENTAL USE OF STERILE HYDROLYSATES OF VARIOUS ORGANS FOR PROTECTION AGAINST ACUTE RADIATION SICKNESS IN RATS A65-81870
- ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS
JPRS-30214 N65-24351
- DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS ORGANS N65-26393
- EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC ORGANS OF WHITE RATS
JPRS-31047 N65-28357
- EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG N65-31380
- EFFECT OF PENETRATING RADIATION ON VESTIBULAR FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE WHOLE-BODY GAMMA IRRADIATION N65-31381
- ORGAN WEIGHT**
BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED BY HYPOXIA A65-81026
- PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
AEET/HP/TH-21 N65-31022
- ORGANIC CHEMISTRY**
EXPERIMENTAL SYNTHESIS OF NUCLEIC ACID AND PROTEIN TO TEST BIOCHEMICAL EVOLUTIONARY HYPOTHESIS A65-14529
- IMMUNOADSORBENT SYNTHESIS FOR ISOLATING PURINE-SPECIFIC ANTIBODIES FROM BLOOD SERUM A65-25911
- SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA - FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY
JPRS-29641 N65-23371
- ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL STUDIES ON MICE, AND RELATIONSHIP BETWEEN ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS - X-RAY EXPOSURE N65-23374
- ORGANIC COMPOUND**
SA AROMATIC COMPOUND
- RADIATION PROTECTION EFFECTS OF AET AND 5- MOT AS FUNCTION OF MARROW CELLS IN MICE A65-26896
- ORGANIC COMPOUND FORMATION EXPERIMENTATION TO TEST ORIGINATION OF LIVING CELLS WITH TERRESTRIAL TYPE BIOCHEMISTRY A65-27097
- ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS SIMULATOR A65-30683
- ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE POISONED RABBITS A65-80003
- ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE A65-80080
- EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER SAMPLES A65-80081
- TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY VARIOUS ORGANIC AND INORGANIC COMPOUNDS A65-81019
- CHANGES IN SEBACEOUS GLAND FUNCTION OF INDUSTRIAL WORKERS USING ACETONE, GASOLINE AND WHITE SPIRIT A65-81372
- ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF CESIUM 134 FROM ANIMALS
JPRS-27544 N65-11249

ORGANIC MATERIAL

SUBJECT INDEX

ORGANIC MATERIAL

ENERGY SOURCES AND CHEMICAL REACTIONS IN
PREBIOLOGICAL ORGANIC SYNTHESIS

A65-80473

CULTURES OF ANAEROBIC ORGANISMS OF HUMAN WASTE
NASA-CR-52232

N65-16432

RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6

N65-19655

ORGANIC PHOSPHORUS COMPOUND

HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING

N65-13635

ORGANISM

SA ANIMAL STUDY
SA MICROORGANISM

SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTO AUTORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE

A65-80111

MODEL FOR BIOCHEMICAL ORIGIN OF LIFE - FIRST
ORGANISM

A65-80466

GRAVITATIONAL EFFECTS ON ORGANISMS

N65-13692

ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC
OF STIMULUS

N65-13750

PATTERNS IN PHYSIOLOGICAL EFFECTS OF ACCELERATION
ON ORGANISM

N65-13754

ROLE OF NERVOUS SYSTEM IN REACTION OF ORGANISM TO
ACCELERATIONS

N65-13755

EFFECT OF REDUCED REACTIVITY OF ORGANISM ON
RESISTANCE TO EXTREME ACCELERATION AND RADIATION

N65-13760

RELATION OF LIVING ORGANISMS AND INERT MATTER
WITHIN BIOSPHERE - ECOLOGY

N65-14580

EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION
OF ORGANISM

N65-15679

AGE AS FACTOR IN ORGANISM REACTION TO HYPOXIA

N65-17757

REACTION OF AGING ORGANISM TO ACUTE HYPOXIA

N65-17763

POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING
ORGANISM

N65-17768

ADAPTIVE COMPENSATORY FUNCTIONS OF ORGANISM IN
HYPOXIA

N65-17773

MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS

N65-17774

NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO
OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS

N65-17777

ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING
ORGANISMS
FTD-TT-62-1923/1&2

N65-18283

RADIATION EFFECTS ON BIOLOGICAL CELLS AND WHOLE
ORGANISMS
FTD-TT-62-355/1&2&4

N65-21540

BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING
TISSUES AND ORGANISMS
AED-C-04-16

N65-22844

AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT

N65-23994

VIABILITY OF ORGANISMS UNDER CONTROLLED
ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO
NATURAL CONDITIONS

N65-23998

RADIATION BIOLOGY INVESTIGATIONS WITH FRESH
WATER ORGANISMS - CYBERNETICS

N65-30265

EFFECT OF ELECTROMAGNETIC RADIATIONS ON LIVING
ORGANISMS

JPRS-31501

N65-31004

MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO
COMBINED EFFECTS OF IONIZING RADIATION AND
NONRADIATION FACTORS

N65-31376

PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
EFFECT ON GROWTH OF ORGANISM AND VITAL
ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS

N65-31378

ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES

JPRS-31909

N65-32356

CONTROL PROCESSES IN LIVING ORGANISMS - CYTOLOGY
AND SEX FACTOR DETERMINATION AND CONTROL

N65-32560

EVOLUTION IN LIGHT OF CYBERNETICS - CONTROL
PROCESSES IN LIVING ORGANISMS

N65-32561

VARIATIONAL PRINCIPLES IN BEHAVIOR OF LIVE
ORGANISMS

N65-34752

ORGUEIL METEORITE

HYDROCARBONS OF TERRESTRIAL SAMPLES AND
METEORITE ANALYZED, SHOWING THAT ALKANES ARE BEST
INDICATORS OF FORMER LIFE ON EARTH

A65-30688

ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL
METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE

A65-80080

EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES

A65-80081

ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES

A65-80444

FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL
METEORITE **ORGANIZED ELEMENTS** WITH
MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR
ORGANISMS OF EARTH ORIGIN

A65-82366

ORIENTATION

S SPACE ORIENTATION

S SPATIAL ORIENTATION

ORIGIN

ORIGIN AND EVOLUTION OF PLANETARY ATMOSPHERES AND
OCEANS

A65-80889

PROCESSES OF ORIGIN OF PLANETARY ATMOSPHERES

A65-81928

CELLULAR SECRETION AND ABSORPTION PROCESS OF
ENDOLYMPH IN VESTIBULAR APPARATUS OF PIGEON

A65-82172

ORTHOSTATIC TOLERANCE

FOUR WEEKS BED REST EFFECT ON CIRCULATORY
FUNCTIONS IN MAN

A65-14236

PROLONGED SPACE FLIGHT EFFECTS ON CARDIOVASCULAR
SYSTEM, ASCERTAINING MECHANISM AND CAUSES OF
ORTHOSTATIC HYPOTENSION

A65-23461

CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED
REST IN RELATION TO MANNED SPACE FLIGHT

A65-80145

BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE
AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL
ENVIRONMENT

A65-81771

PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL
INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS
BED REST AND PHYSICAL EXERCISE

A65-82367

OSCILLATION

SA PRESSURE OSCILLATION
SA VIBRATION

MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND
AND SUPERHIGH FREQUENCY ELECTROMAGNETIC
OSCILLATIONS - ACOUSTIC MEASUREMENTS OF
STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY
JPRS-30860 N65-28700

OSCILLOGRAPH

BLOOD FLOW TIME DETERMINATION BY OXYHEMOGRAM
RECORDING ON OSCILLOGRAPH
JPRS-31093 N65-28878

CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS
ON OSCILLOGRAPHS
NASA-TT-F-9581 N65-35782

OSMOSIS

EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE
OF BLOOD IN NORMAL PERSONS
NASA-TT-F-9439 N65-29726

OTOLITH

FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR
CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT
ENVIRONMENTS A65-14526

ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND
INERTIAL FORCE EXPOSURE
NASA-CR-57274 N65-19692

OTOLOGY

BAROSCOPIC TRAUMA OF EAR WITH REFERENCE TO
MECHANISM, CLINICAL SYMPTOMS AND TREATMENT
A65-21241

OVARY

STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588

OXALATE

HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC- α -KETOGLUTARIC
TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF
MYOCARDIUM OF RAT A65-80154

OXALIC ACID

OXALOACETATE PROTECTION OF CITRATE CONDENSING
ENZYME FROM PALMITYL- CO A
UCRL-7896 N65-35526

OXIDASE

ACTIVITY OF CYTOCHROME OXIDASE IN ORGANS OF RATS
ADAPTED TO HIGHER AND LOWER TEMPERATURES
FTD-TT-64-444/162 N65-15963

OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND
SPINAL CORD IN HYPOXIA ACCLIMATED RATS
N65-17813

OXIDATION

PROBLEMS IN PHOTOSYNTHESIS- OXIDATION REDUCTION
PROCESSES AND PHOTOCHEMICAL REACTION CENTER
MECHANISMS A65-82014

BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH
MOUNTAIN ENVIRONMENT ACCLIMATIZATION
N65-17821

OXIDATION METABOLISM DISTURBANCE DISTINCT FROM
HYPOXIA N65-17843

MICROBIAL OXIDATION OF HYDROCARBON GASES
AD-609207 N65-18279

STABILITY OF TEMPERATURE REACTION AND CHANGES IN
OXIDATION PROCESSES DURING CHILLING IN HUMANS
ADAPTED AND NOT ADAPTED TO COLD
N65-24940

EFFECT OF AMINOETHYLISOTHIOURONIUM BROMIDE
HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE
OXIDATION BY RAT SPLEEN AND BONE MARROW
SUSPENSIONS
SAM-TR-65-29 N65-34260

OXYGEN

SA AIRCRAFT BREATHING APPARATUS
SA HIGH PRESSURE OXYGEN
SA LIQUID OXYGEN /LOX/
SA OZONE

INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354

OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM
A65-80355

ROLE OF OXYGEN IN PHENOMENA OF CHEMICAL
PROTECTION AGAINST IONIZING RADIATION
A65-80367

EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724

GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS
AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND
CARBON DIOXIDE A65-80818

PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING
DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE
A65-81402

OXYGENATION OF TISSUE CELL A65-81512

OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO
BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO
BLOOD FLOW A65-81894

COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED
BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT
CARBON DIOXIDE, AND EPINEPHRINE
A65-82017

CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156

DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN
A65-82159

GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING
LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH
CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSION
CAPACITY DETERMINATIONS A65-82170

OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS
MIXTURE RESPIRATION - HYPOXIA N65-17769

OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF
ELEVATED CARBON DIOXIDE CONCENTRATIONS IN
RABBITS N65-17807

OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN
DURING ACCLIMATIZATION TO HYPOXIA
N65-17815

OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT
N65-17834

OXYGENATION OF BRAIN TISSUES DURING AIR AND
OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON
DIOXIDE
FTD-TT-64-634/16264 N65-19139

BLOOD OXYGEN CHANGES INDUCED BY FORWARD
ACCELERATION
AMRL-TR-64-132 N65-21039

EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-
OXYGEN ATMOSPHERE
NASA-CR-56876 N65-22195

OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD
GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL
REVIEW
BNL-898 N65-23230

OXYGEN DELIVERY RATE OF HUMAN BLOOD
SAM-TR-64-89 N65-24592

- CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION INTERACTION AND INDEPENDENT EFFECTS ON BREATHING - RESPIRATION STIMULANTS IN ARTERIAL BLOOD
SAM-TR-64-94 N65-26242
- DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME
N65-26383
- IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT ON RADIATION AT VARIOUS RADIATION DOSE RATES
N65-26384
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS
JPRS-31013 N65-28142
- OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF GRAVITY
NASA-TT-F-9562 N65-33806
- COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN STRUCTURE AND FUNCTION OF COPPER ENZYMES
FSU-2690-21 N65-34320
- OXYGEN APPARATUS**
APPARATUS FOR PRODUCTION OF GAS MIXTURES OF PRECISELY CONTROLLED COMPOSITION FOR INSPIRATION BY SMALL ANIMALS
A65-81151
- OXYGEN BREATHING**
RECOVERY OF USABLE OXYGEN FROM WASTE CARBON DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION FOLLOWED BY ELECTROLYSIS
A65-15625
- OXYGEN INHALATION IN PROLONGATION OF TIME OF USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN INHALATION BY RABBITS
A65-31343
- DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING SYSTEMS USING ELECTRICAL ANALOG
A65-36822
- PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE OXYGEN
A65-80034
- CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN AT UP TO TWO ATMOSPHERES
A65-80052
- RADIATION RESISTANCE OF MICE AS AFFECTED BY EXERCISE AND OXYGEN BREATHING
A65-80132
- FACTORS INFLUENCING CONCENTRATION OF EXPIRED NITROGEN AFTER BREATHING OXYGEN
A65-80311
- PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN TASTE SENSATION AND RELATION TO HIGH ALTITUDE FLYING
A65-80396
- RESPIRATORY SYSTEM RESPONSE IN GUINEA PIG TO BREATHING 100% OXYGEN AT 1 ATMOSPHERE PRESSURE
A65-80554
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND MONKEYS BREATHING RELATIVELY PURE OXYGEN
A65-80581
- EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM IN ANIMALS BREATHING PURE OXYGEN AND AIR
A65-80647
- RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS AMBIENT PRESSURES
A65-80669
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN
A65-80671
- SECONDARY VENTILATORY RESPONSE TO EXERCISE AS MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE, AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS WHICH ALTER CEREBRAL BLOOD FLOW
A65-80674
- RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY HYPERBARIC OXYGENATION
A65-80757
- HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH PURE OXYGEN AND VARIOUS DRUGS
A65-80809
- EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO OXYGEN UNDER HIGH PRESSURE
A65-81129
- EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS
A65-81202
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO HYPERBARIC OXYGENATION
A65-81204
- OXYGEN BREATHING AS THERAPY FOR CARBON MONOXIDE POISONING
A65-81511
- SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS
A65-81609
- ELECTROENCEPHALOGRAPH AND PULSE RATE OF RABBIT AS AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA
A65-81666
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN RATS IN LOW PRESSURE CHAMBER
A65-81671
- BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE AREA FORMULAS
A65-81696
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH CONCENTRATIONS OF OXYGEN
A65-81730
- GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA IN DOGS
A65-81840
- OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN BREATHING AT NATURAL HIGH ALTITUDES AND DURING SIMULATED ALTITUDE
A65-81873
- EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE ON PULMONARY SURFACTANT IN MAMMALS
A65-81898
- DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER CURVE
A65-81902
- OXYGEN BREATHING AND RESPIRATION DURING HYPOTHERMIA
A65-82002
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE, ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS, AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS BREATHING NEARLY PURE OXYGEN
A65-82154
- RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION WITH OR WITHOUT OXYGEN BREATHING
A65-82220
- EFFECT OF HYPEROXYGENATION ON ACTIVITY OF SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE, SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION AND BREATHING OXYGEN AT EXCESS PRESSURE
N65-13638
- PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING MIXTURES, HIGH CARBON DIOXIDE BREATHING MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL TRACK, AND ACCELERATION EFFECT ON REFLEXES
N65-13708

SUBJECT INDEX

OXYGEN CONSUMPTION

- METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE
NASA-CR-60338 N65-15372
- MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND
EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE -
ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY -
PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT
N65-29750
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TM-X-51649 N65-35262
- OXYGEN COMPOUND
VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND
ADRENALINE ACTIVITY UNDER EXPERIMENTAL
CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN
BLOOD OF PATIENTS WITH VIBRATION SICKNESS
JPRS-30845 N65-27030
- OXYGEN CONSUMPTION
INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT
CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN
REDUCED TRACTION ENVIRONMENT A65-10535
- LUNG VOLUME CHANGES OF EMPHYSEMA PATIENTS UPON
EXPOSURE TO SIMULATED ALTITUDE OF 18,000 FT
A65-14237
- OXYGEN CONSUMPTION DURING EXERCISE WITHOUT BODY
LIFTING AGAINST GRAVITY, NOTING CORRELATION WITH
BODY WEIGHT AND SURFACE AREA A65-16562
- OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM
MUSCULAR EXERCISE OF FLYING CADETS
A65-20984
- PROBLEM OF OXYGEN SUPPLY ON SPACE FLIGHTS
REQUIRING PHOTOSYNTHESIS SOLUTION
A65-21342
- OXYGEN CONSUMPTION DETERMINATION DURING STRENUOUS
FLYING PROGRAM AT VARIOUS G FORCES
A65-24073
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN
SATURATION DECREASE DUE TO PULMONARY ARTERIAL-
VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO
FORWARD ACCELERATION A65-29057
- WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947
- OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD
FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG
BREATHING 100 PERCENT OXYGEN A65-80072
- OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY
TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE
EXERCISE A65-80077
- OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD,
AND THERMONEUTRAL WATER A65-80078
- OXYGEN CONSUMPTION, BODY TEMPERATURE, AND
SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND
WITHOUT VOLUNTARY HYPERVENTILATION
A65-80083
- HUMAN NET OXYGEN COST IN HORIZONTAL AND GRADE
WALKING AND RUNNING ON TREADMILL
A65-80272
- LUNG VOLUME AND VENTILATORY RESPONSE TO AIRWAY
OBSTRUCTION DURING TREADMILL EXERCISE - RELATION
TO OXYGEN CONSUMPTION A65-80316
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF
LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL
A65-80323
- CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE
A65-80325
- OXYGEN COST OF BREATHING DURING RESPIRATION
- AGAINST PRESSURE A65-80327
- OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG
KIDNEY A65-80362
- CEREBRAL BLOOD SUPPLY AND CEREBRAL OXIDATIVE
METABOLISM A65-80363
- OXYGEN COST OF WORK PERFORMED IN DIFFERENT
POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST
GRAVITY A65-80384
- HEART MINUTE VOLUME AS QUADRATIC FUNCTION OF
OXYGEN UPTAKE IN NORMAL MEN DURING PHYSICAL
EXERCISE A65-80403
- RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY
VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY
WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS
A65-80666
- OXYGEN CONSUMPTION AND METABOLIC RATES IN HYPNOTIC
TRANCE AND SLEEP A65-80681
- CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME A65-80693
- PEAK OXYGEN INTAKE DURING PHYSICAL FITNESS PROGRAM
FOR MIDDLE-AGED MEN A65-80732
- EFFECT OF NITROGENOUS COMPOUNDS UPON GROWTH AND
ATMOSPHERIC OXYGEN UPTAKE IN BLUE-GREEN ALGAE
A65-80766
- KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022
- OXYGEN CONSUMPTION DURING FLIGHT OF MODERATE G
LOAD AT HIGH ALTITUDE A65-81070
- PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA A65-81120
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS A65-81135
- WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO
HEART RATE AND OXYGEN UPTAKE A65-81142
- OXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN
DURING PHYSICAL EXERCISE A65-81143
- CONTINUOUS RECORDING OF CARBON-14 DIOXIDE AND
OXYGEN CONSUMPTION A65-81153
- RELATIONSHIP BETWEEN OXYGEN CONSUMPTION AND HEART
RATE IN EVALUATION OF CARDIOVASCULAR FUNCTION IN
PILOT CANDIDATES A65-81264
- OXYGEN CONSUMPTION IN STANDING AND SUPINE
POSITIONS A65-81273
- EFFECT OF ENVIRONMENT ON HEART RATE AND OXYGEN
CONSUMPTION DURING WORK-REST CYCLE A65-81363
- ENERGY COST AND OXYGEN CONSUMPTION OF ALTERNATING
POSITIVE AND NEGATIVE WORK A65-81507
- STEP-TEST FOR INDUCING MAXIMAL WORK FOR
DETERMINING OXYGEN CONSUMPTION A65-81552
- OXYGEN CONSUMPTION, THERMAL CONDUCTANCE, AND
TORPOR IN CALIFORNIA POCKET MOUSE, PEROGNATHUS
CALIFORNICUS A65-81679
- MATHEMATICAL EVALUATION OF OXYGEN CONSUMPTION
DURING PHYSICAL EXERCISE AND RECOVERY A65-81717

- NOMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN CONSUMPTION IN MAN DURING EXERCISE
A65-81920
- INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR TASK PERFORMANCE WITH OXYGEN DEFICIENCY
A65-81968
- MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING PHYSICAL EXERCISE
A65-82053
- OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS
A65-82070
- CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID, CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT DIFFERENT LOADS
A65-82165
- EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE
A65-82166
- MEASUREMENT OF MUSCLE OXYGEN CONSUMPTION DURING STATIC INTERMITTENT AND DYNAMIC WORK BY OPEN CIRCUIT METHOD
A65-82314
- EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR VOLUME AND OXYGEN CONSUMPTION IN MAN
A65-82326
- ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD PRESSURE, AND NET OXYGEN COST
NASA-CR-59419
N65-10119
- OXYGEN SUPPLY OF HEART DURING RESPIRATION AT EXCESS PRESSURE
N65-13656
- OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION IN RESPIRATION UNDER EXCESS PRESSURE
N65-17808
- PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION
JPRS-30015
N65-25025
- OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND PETROLEUM GAS WITH HYDROGEN SULFIDE
JPRS-30443
N65-25425
- OXYGEN DEFICIENCY**
SA ANOXIA
SA HYPOXIA
- OXYGEN DEFICIENCY INDUCED SYMPTOMS IN AIRCRAFT PERSONNEL AND PARACHUTE JUMPERS AT DIFFERENT ALTITUDES
A65-22759
- MEASURING OF P O₂ IN CEREBRAL CORTEX OF RATS WITH TECHNIQUES BASED ON OXYGEN ELECTRODE THEORY
A65-32794
- EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF PILOTS
A65-36399
- PULMONARY VASCULAR CHANGES IN DOGS PLACED IN ATMOSPHERIC CONTROL CHAMBER WITH TEN PERCENT OXYGEN
A65-80181
- OXYGEN LACK EFFECT ON INDUCTIVE PHASE OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION IN CHLORELLA VULGARIS
A65-80317
- INDOLE AND HYDRAZINE DRUG DERIVATIVES TO INCREASE RESISTANCE TO OXYGEN DEFICIENCY
N65-13669
- EFFECT OF OXYGEN STARVATION ON MOTION SICKNESS
N65-13752
- OXYGEN STARVATION AND ACCELERATION EFFECT ON CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS IN BRAIN TISSUE
JPRS-28630
N65-16136
- OXYGEN DEFICIENCY - HYPOXIA IN MAN AND ANIMALS
- FTD-TT-64-878/162
N65-17751
- NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS
N65-17777
- REGIONAL OXYGEN DEFICIENCY IN HUMANS WITH HYPOXIA
N65-17784
- COMPENSATION MECHANISMS IN CHRONIC OXYGEN DEFICIENCY IN BLOOD CIRCULATORY SYSTEM
N65-17791
- OXYGEN DEFICIENCY OCCURRING IN HUMANS SUFFERING CARDIAC VALVE DISEASE - MITRAL DISEASE
N65-17797
- OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY STAGES OF HYPERTENSION IN HUMANS
N65-17798
- DEGREE OF HYPOXIA OR OXYGEN DEFICIENCY PROBLEM
N65-17844
- OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE DURING RADIATION SICKNESS
N65-22730
- ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM DUE TO OXYGEN STARVATION
N65-25026
- PATHOLOGICAL CHANGES IN BODY SYSTEMS FROM OXYGEN DEFICIENCY - CENTRAL NERVOUS SYSTEM
JPRS-30576
N65-25431
- OXYGEN MASK**
PILOT OXYGEN MASK WITH TACTILE TRANSDUCER PROVIDING WARNING SIGNALS FROM WIRELESS COMMUNICATION SYSTEM
A65-11394
- BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO 45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK ROLE
A65-24075
- PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS OF PRESSURIZED SUITS
A65-80120
- OXYGEN BREATHING MASKS SELECTION, FIT, AND APPLICATION - EQUIPMENT SPECIFICATIONS
N65-29752
- OXYGEN METABOLISM**
RESPIRATORY GASEOUS EXCHANGE UNDER HIGH OXYGEN CONCENTRATION IN GUINEA PIGS, NOTING BODY WEIGHT AND OXYGEN CONSUMPTION
A65-18842
- ANIMAL TESTS FOR EFFECTS OF ACCELERATION, VIBRATION AND IONIZING RADIATION ON OXIDATION METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS IN HEMOPOIETIC TISSUES
A65-29946
- MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN FLOW TO SKELETAL MUSCLES
A65-34988
- FACTORS AFFECTING RATE OF OXYGEN EXCHANGE BETWEEN CAPILLARY BLOOD AND TISSUES
A65-80361
- OXYGEN STORAGE IN MAN
A65-80368
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD BICARBONATE AND BASE EXCESS IN HUMAN CORONARY VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL WORK
A65-80452
- TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN RED CELLS
A65-81906
- OXYGEN CONCENTRATION EFFECT ON GROWTH RATE, CONVERSION EFFICIENCY, AND CELL COMPOSITION - CYTOGENESIS
NASA-CR-55188
N65-17069
- PHYSIOLOGY - HUMAN AGING AND LONGEVITY, CYBERNETICS, X-RAY IRRADIATION EFFECT, AND OXYGEN PRESSURE DETERMINATION - SCIENTIFIC CONFERENCE REPORTS

SUBJECT INDEX

OXYGEN TENSION

JPRS-30099	N65-24875	N65-11717
SCIENTIFIC CONFERENCE - POLAROGRAPHIC DETERMINATION OF OXYGEN METABOLISM IN TISSUES	N65-24878	
EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM	NASA-TT-F-9425	N65-27711
VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL TISSUE OF RATS	N65-31386	
MECHANISM OF COMBINED EFFECT OF VIBRATION AND IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL TISSUES OF RATS	N65-31387	
OXYGEN PRODUCTION		
SA HILL REACTION		
OXYGEN RECOVERY FROM METABOLIC CARBON DIOXIDE FOR SPACECRAFT ENVIRONMENT	A65-10698	
LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING ATMOSPHERE AND THERMAL CONTROL, RADIATION PROTECTION AND WATER AND WASTE RECOVERY	A65-13099	
MANNED SPACECRAFT OXYGEN REQUIREMENTS, CRYOGENIC STORAGE, PRODUCTION AND TWO-GAS ATMOSPHERES	A65-14381	
SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM FERMENTED EXCRETA	A65-14382	
OXYGEN REGENERATION FROM SOLID ELECTROLYTIC REDUCTION OF CARBON DIOXIDE FOR SPACE CABIN ATMOSPHERE	AICE PREPRINT 47D	A65-15346
BOSCH PROCESS CLOSED CYCLE OXYGEN PRODUCTION UNIT FOR SPACE APPLICATION	AICE PREPRINT 47A	A65-15398
PARTIALLY REGENERATIVE AND BIODEGENERATIVE LIFE SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE CONTROL AND FOOD PRODUCTION	A65-17930	
SPACE CABIN ATMOSPHERE REGENERATION AND CONTROL PROBLEMS COVERING CARBON DIOXIDE, WATER, OXYGEN CONCENTRATIONS AND TRACE CONTAMINATION	ASME PAPER 65-AV-47	A65-23454
CARBON DIOXIDE REDUCTION UNIT FOR CONTINUOUS HIGH RATE OXYGEN REGENERATION IN ZERO GRAVITY ENVIRONMENT	A65-29060	
SPACECRAFT CABIN ENVIRONMENT CONTROL OF ATMOSPHERE AND TEMPERATURE, DESCRIBING OXYGEN REGENERATION SYSTEM USING ZEOLITE BEDS AND SILICA GEL	A65-33615	
OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS	A65-34269	
CORNUCOPIA, STORABLE BIROPELLANT CONCEPT FACILITATING PROVISION OF PROPULSION, POTABLE WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT ATMOSPHERE, AND THERMAL AND KINETIC ENERGY	A65-80143	
KINETICS OF OXYGEN PRODUCTION DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA	A65-81677	
KINETICS OF PHOTOSYNTHETIC FLUORESCENCE INDUCTION RELATED TO OXYGEN PRODUCTION IN CHLORELLA PYRENOIDOSA	A65-81763	
SOLID CHEMICAL AIR GENERATOR FOR PRODUCING BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE - SPACE APPLICATION	AG-1	N65-10267
PRESSURE AS FACTOR IN ALGAE GROWTH - OXYGEN PRODUCED BY PHOTOSYNTHESIS OF ALGAE		
PLANT LEAVES FOR OXYGEN PRODUCTION IN SPACE CABIN ATMOSPHERE	NASA-CR-50295	N65-17071
PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM	NASA-CR-55131	N65-17072
PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM	NASA-CR-60892	N65-17867
AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN REGENERATION SYSTEM	FTD-TT-64-247/162	N65-18227
OXYGEN RECOMBINATION		
REGENERATION OF OXYGEN AND GAS EXCHANGE SYSTEMS FOR SPACECRAFT		A65-81793
OXYGEN SENSOR		
ELECTRODE SIZE AND TISSUE OXYGEN TENSION MEASUREMENT IN RATS EXPOSED TO AIR OR HIGH PRESSURE OXYGEN		A65-81147
OXYGEN SYSTEM		
OXYGEN FOR CIVIL AIRCREW FOLLOWING LOSS OF CABIN PRESSURIZATION	FPRC/MEMO-205	N65-12641
EFFICIENCY OF OXYGEN SUPPLY SYSTEM, IN CONTROLLING RESPIRATION AT EXCESS PRESSURE		N65-13680
OXYGEN TENSION		
LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH EARTH ATMOSPHERE PARALLELED TO MANNED SPACE FLIGHT		A65-26437
POLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING CONDITIONS		A65-80090
PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION		A65-80228
GENERAL ADVERSE EFFECTS AND VARIOUS PHYSIOLOGICAL RESPONSES OF OXYGEN AT HIGH TENSION - A REVIEW		A65-80364
CHANGES IN EYE DURING EXPOSURE TO HIGH OXYGEN ENVIRONMENTS		A65-80605
ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL HYPEREMIA OF SKELETAL MUSCLE OF DOG		A65-80610
SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS SPECTROMETER METHOD		A65-80627
CONTROLLED FREQUENCY BREATHING DURING MUSCULAR EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS TENSIONS		A65-80672
OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22 EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG		A65-81022
REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA		A65-81175
ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86 CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON DIOXIDE, AND VASOACTIVE DRUGS		A65-81176
OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA AND BRAIN CIRCULATION		A65-81338
AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND ELEVATED OXYGEN TENSION		A65-81362
CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR ARTERIAL BLOOD ANALYSIS		A65-81492

- POLAROGRAPHIC DETERMINATION OF OXYGEN CONTENT AND CAPACITY IN BLOOD SAMPLE A65-81637
- OXYGEN PARTIAL PRESSURE MEASUREMENT IN AQUEOUS HUMOR AND LENS OF EYE OF ANIMAL - NEW TEST METHOD A65-81727
- VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC DOGS A65-81804
- OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN BREATHING AT NATURAL HIGH ALTITUDES AND DURING SIMULATED ALTITUDE A65-81873
- INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR A65-81901
- OXYGEN TENSION MEASUREMENT TECHNIQUES BY DIRECT INTRODUCTION OF ELECTRODES INTO TISSUES IN RAT A65-81996
- COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT CARBON DIOXIDE, AND EPINEPHRINE A65-82017
- EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY VENTILATION A65-82074
- EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR TENSION IN DOGS AND CATS A65-82271
- PULMONARY CIRCULATION AND HEART FUNCTION IN RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES A65-82301
- ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR AD-451065 N65-11421
- OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS N65-13705
- PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO INCREASED OXYGEN TENSION IN SPACE CABIN AT SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS N65-14453
- ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS AND HYPERINFLATION AD-450346 N65-14761
- RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216
- IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE OXYGEN TENSION JPRS-30818 N65-27028
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN SPLEEN AND VENA CAVA OF MICE INJECTED WITH SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION SAM-TR-65-13 N65-30506
- OXYGEN TOXICITY**
- OXYGEN EFFECT ON RADIATION RESISTANCE OF MICE EXPOSED TO IONIZING DOSES IN CONTROLLED ENVIRONMENT A65-14225
- CONVULSIONS CAUSED BY HIGH PRESSURE OXYGEN / OHP/ AND RELATIONSHIP TO PARALYSIS A65-14233
- FATAL PHYSIOLOGICAL EFFECTS IN MICE DURING LONG EXPOSURE TO HIGHLY OXYGENATED ENVIRONMENT A65-14384
- PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND OTHER SEVERE OCULAR DAMAGE A65-14385
- COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS A65-14386
- SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE MATERIAL A65-14806
- POST MORTEM LUNG TISSUE CHANGES IN MICE FROM OXYGEN TOXICITY AT ATMOSPHERIC PRESSURE A65-16563
- CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON VARIOUS ANIMALS A65-18431
- TOXIC EFFECT IN RESPIRATORY TRACT AND NERVOUS SYSTEM CAUSED BY BREATHING OXYGEN ENRICHED ATMOSPHERE, DISCUSSING PULMONARY FUNCTION A65-26745
- OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC, RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND THYROID RESPONSE VARIATIONS A65-29066
- ACUTE AND CHRONIC EFFECTS IN RAT EXPOSED TO OXYGEN AT HIGH PRESSURE A65-80142
- BIOLOGICAL EFFECTS OF OXYGEN - A REVIEW A65-80365
- TOXIC ACTION OF OXYGEN ON METABOLISM AND ROLE OF TRACE METALS A65-80366
- METABOLISM AND PROTECTION BY ANESTHESIA AGAINST TOXICITY OF OXYGEN AT HIGH PRESSURE A65-81149
- TREATMENT OF OXYGEN TOXICITY IN RATS WITH DIMERCAPROL A65-81150
- POISONING OF CELLULAR REACTIONS BY OXYGEN A65-81513
- FACTORS INFLUENCING OXYGEN TOXICITY IN MAN AND ANIMAL A65-81528
- CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION WITH SEVERE OXYGEN TOXICITY A65-81868
- EFFECT OF OXYGEN INTOXICATION ON VARIOUS AREAS OF BRAIN IN CATS A65-81875
- ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN OXYGEN POISONING IN RABBITS A65-82100
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS ENVIRONMENTS NASA-CR-53543 N65-17057
- ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY ACCLIMATIZATION TO HYPOXIA N65-17806
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT NASA-CR-57477 N65-19871
- EFFECT OF DIMERCAPTOPROPNOL ON TOXICITY OF OXYGEN ON RATS AT SIX ATMOSPHERES PRESSURE SAM-TR-65-11 N65-25203
- EFFECTS OF DISCONTINUOUS EXPOSURE TO HIGH OXYGEN LOW PRESSURE ENVIRONMENT ON RATS - AEROSPACE MEDICINE NASA-CR-63790 N65-28346
- OXYGEN TREATMENT**
- ANOXIA AND TREATMENT IN ACCIDENTAL HYPOTHERMIA A65-80009
- DECOMPRESSION SICKNESS TREATED WITH COMPRESSION A65-80146
- TREATMENT OF ACUTE CARBON MONOXIDE POISONING WITH PURE OXYGEN IN PRESSURE CHAMBER A65-80282
- MECHANISM OF TOXIC ACTION OF CARBON MONOXIDE AND OXYGEN TREATMENT A65-80295
- RISKS OF HIGH PRESSURE OXYGEN THERAPY

- A65-81261 FROM CHLORELLA VULGARIS EXTRACTS A65-81323
- OXYGEN 18**
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18 ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- OXYHEMOGLOBIN**
POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES SAM-TR-64-75 N65-23589
- OZONE**
SPACE CABIN ATMOSPHERE CONTAMINANTS EFFECT, PARTICULARLY OZONE, ON VISUAL PERCEPTION A65-35488
OZONE TOXICOLOGY- REVIEW OF RESEARCH AND INDUSTRIAL EXPERIENCE 1954-1964 A65-81397
SUPERFICIAL RESPIRATION AND RESPIRATORY EDEMA INDUCED IN RABBIT BY OZONE INHALATION A65-82350
- OZONOSPHERE**
ATMOSPHERIC OZONE CONCENTRATION STRESSING SAFEGUARDS NECESSARY FOR PROTECTION OF PASSENGERS AND CREW OF SUPERSONIC TRANSPORT A65-23773
- P**
- PACKAGING**
SA CONTAINER
RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF PLASTIC MATERIALS FOR PACKAGING, CHANGES IN FLAVOR AND ODOR FROM IRRADIATION AND STORAGE TID-21600 N65-22094
- PAIN**
SPINAL PAIN REACTION IN PILOTS AFTER MANY FLIGHT HOURS IN HELICOPTERS A65-81819
- PAIN SENSITIVITY**
CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT - SENSORY DEPRIVATION A65-80024
SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL WARM WATER IMMERSION A65-81916
SPATIAL SUMMATION OF PAIN FOR LARGE BODY AREAS USING HIGH INTENSITY INFRARED RADIATION DASA-1568 N65-29159
- PALLADIUM**
POTASSIUM PALLADO SULFITE METHOD FOR CARBON MONOXIDE DETECTION A65-81275
- PANCREAS**
PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN MOUSE A65-80114
ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE A65-80122
GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA A65-81177
PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL CHOLINE IN RAT A65-81736
CHANGES IN DOG PANCREAS FOLLOWING SINGLE LATERAL ACCELERATION N65-13710
- PAPER CHROMATOGRAPHY**
EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS EUTROPHA, USING PAPER CHROMATOGRAPHY AND RADIOAUTOGRAPHY WITH CARBON 14 A65-31725
CHLOROPHYLLS SEPARATED BY PAPER CHROMATOGRAPHY
- PARABOLIC FLIGHT**
MOTION SICKNESS SYMPTOMATOLOGY OF LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY MANEUVERS A65-80893
TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR STATE OF WEIGHTLESSNESS A65-80923
HUMAN RESPONSE TO ACCELERATION STRESS AND WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT A65-81192
EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING PARABOLIC FLIGHTS A65-81197
PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN PARABOLIC FLIGHT N65-26918
- PARACHUTE**
EMOTIONAL-VOLITIONAL REACTION OF RUSSIAN COSMONAUTS DURING PARACHUTE JUMP TRAINING A65-80045
THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH ALTITUDE A65-80119
EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF ASTRONAUTS DURING PARACHUTE JUMP TRAINING JPRS-27819 N65-12662
EFFECT OF PARACHUTE JUMPING ON METABOLISM OF PROTEINS AND VITAMINS N65-13762
EFFECT OF PARACHUTE JUMPS ON PERSONS IN DIFFERENT AGE GROUPS N65-13776
- PARACHUTING**
SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME ESTIMATION, MEMORY, AND REACTION TIME A65-80951
STEEPNESS OF APPROACH AND AVOIDANCE GRADIENTS IN PARACHUTE JUMPING AS FUNCTION OF EXPERIENCE A65-81616
EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT PARACHUTISTS DURING TRAINING FTD-TT-65-437/1 N65-29160
FEAR AND ENTHUSIASM IN SPORT PARACHUTING AFOSR-65-1329 N65-35574
- PARACHUTING INJURY**
OXYGEN DEFICIENCY INDUCED SYMPTOMS IN AIRCRAFT PERSONNEL AND PARACHUTE JUMPERS AT DIFFERENT ALTITUDES A65-22759
PARACHUTING INJURY - ANALYSIS, PREVENTION AND TRAINING IN MILITARY PARACHUTING A65-80223
SURVEY OF MILITARY SPORT PARACHUTING INJURIES AND DEATHS A65-80950
PARACHUTING HAZARDS AND INJURIES A65-81238
RESCUE TECHNIQUES USING STANDARD STOKES LITTER DESCRIBED FOR HANDLING INJURED PERSONS IN WATER N65-29754
- PARAMAGNETIC RESONANCE**
FREE RADICALS INDUCED BY X-RAY IRRADIATION IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF ELECTRONIPARAMAGNETIC RESONANCE SPECTRUM OF DEGRADED DNA A65-27950
SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION OF RADIATION EFFECTS ON BACTERIOPHAGES N65-24616
- PARAMECIUM**
EFFECT OF NATURAL IONIZING RADIATION ON GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM A65-81254

PAROTID

ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM OF GREEN BACTERIA, ION CONCENTRATION RELATING TO SNAIL MEMBRANES, ELECTRICAL MODEL OF NERVE FIBER, AND PARAMECIUM MOVEMENT
JPRS-31282 N65-32658

EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF PARAMECIUM CAUDATUM N65-32664

PAROTID

NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN SERUM, PAROTID FLUID, AND URINE DURING WEIGHTLESSNESS A65-82359

SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES - PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30 N65-25204

SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677

PARTIAL PRESSURE

LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR ACTIVITY A65-36398

EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN ANIMALS N65-13633

PARTICLE BEAM

SA PROTON BEAM

RADIATION EXPOSURE IN SOLAR PARTICLE BEAMS BEHIND VERY LOW SHIELDING - RADIATION PROTECTION OF SPACE SUIT
NASA-CR-62198 N65-21724

TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865

PARTICLE DETECTOR

NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE STUDIES A65-16780

ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660

PARTICLE MOTION

ELECTROPHORESIS - DISPLACEMENT OF PARTICLES IN COARSE SUSPENSIONS UNDER INFLUENCE OF EXTERNAL ELECTRIC FIELD N65-15722

PARTICLE SIZE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF PARTICULATE MATERIAL DURING OPERATION ROLLER COASTER INCLUDING PERFORMANCE OF CASCADE IMPACTORS AND FITTING OF DISTRIBUTIONS
AWRE-0-20/65 N65-28885

PARTICULATE FILTER

AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC SAMPLERS AND THEIR RELATIVE EFFICIENCIES A65-32795

PASSENGER

HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7 N65-18409

PASTEURIZATION

IONIZING RADIATION FOR FOOD PRESERVATION - PASTEURIZATION
CONF-641002 N65-18321

IRRADIATION PASTEURIZATION FOR PRESERVATION OF FRESH WATER FISH AND INLAND FRUITS AND VEGETABLES
COO-1283-12 N65-19822

LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORO-626 N65-22081

SUBJECT INDEX

RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF PLASTIC MATERIALS FOR PACKAGING, CHANGES IN FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600 N65-22094

ECONOMIC IMPACT OF PRESERVATION OF FOOD BY IRRADIATION - RADIATION STERILIZATION, PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873

ECONOMIC FEASIBILITY OF RADIATION PASTEURIZATION OF SELECTED PRODUCE COMMODITIES
TID-21628 N65-25879

PASTEURIZATION OF FRUITS BY IRRADIATION FOR REDUCING SPOILAGE AND EXTENDING MARKET LIFE - FOOD TECHNOLOGY
TID-21710 N65-27607

PATHOGEN

PATHOGEN-FREE FOOD PLANTS IN MICROCOSM - HIGH INTENSITY LIGHT EFFECT ON PLANT GROWTH
NASA-CR-50170 N65-17067

EFFECTS OF WEIGHTLESSNESS AND OTHER STRESSES IN SPACE FLIGHT ON PATHOGENICITY AND IMMUNITY
NASA-CR-63282 N65-26065

AEROSOLS, BIOLOGICAL PATHOGENS, CHEMICAL SUBSTANCES - BIBLIOGRAPHY OF SOVIET OPEN LITERATURE PRIOR TO 31 DECEMBER 1962
ATD-B-65-43 N65-32709

PATHOLOGICAL EFFECT

MONITORING TECHNIQUES FOR DETERMINING PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS ON HUMAN PERFORMANCE A65-10694

ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5, 1964 A65-10722

ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE LANDING IMPACT A65-10732

AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING EAR AS CAUSE OF INSTABILITY A65-10738

DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE CONCENTRATION OF FLATUS PRODUCED IN MAN A65-10744

MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF WHITE RATS AND RABBITS A65-20936

TOXIC EFFECT IN RESPIRATORY TRACT AND NERVOUS SYSTEM CAUSED BY BREATHING OXYGEN ENRICHED ATMOSPHERE, DISCUSSING PULMONARY FUNCTION A65-26745

LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN DOG CEREBELLUM AND ASSOCIATED AREAS A65-33023

PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383

PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND RAT A65-81215

EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE, OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER SOCIAL ISOLATION AND SENSORY DEPRIVATION - PSYCHOPATHOLOGY
JPRS-30158 N65-24349

ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM DUE TO OXYGEN STARVATION N65-25026

PATHOLOGICAL CHANGES IN BODY SYSTEMS FROM OXYGEN DEFICIENCY - CENTRAL NERVOUS SYSTEM
JPRS-30576 N65-25431

SUBJECT INDEX

PATTERN RECOGNITION

PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY CONCENTRATION OF CARBON MONOXIDE IN AIR
N65-28295

PATHOLOGY

SA DISEASE
SA HUMAN PATHOLOGY
SA RADIOPATHOLOGY

PATHOLOGISTS CONTRIBUTION TO AIRCRAFT ACCIDENT INVESTIGATION SHOULD BE AIMED AT SAVING FUTURE LIVES AS WELL AS ESTABLISHING CAUSE OF DEATH
A65-26000

PHYSIOPATHOLOGY OF EQUILIBRIUM IN THE AVIATOR
A65-80127

STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR DISQUALIFICATION OF PILOT CANDIDATES IN THE ITALIAN AIR FORCE
A65-80216

PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH ALTITUDE EXPOSURE
A65-80493

PATHOLOGIC AND PHYSIOLOGIC EFFECTS OF HEAT EXPOSURE IN MAN
A65-80497

PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF EXTREME COLD DURING TOTAL BODY COOLING AND LOCAL COLD INJURY IN MAN
A65-80498

PATHOLOGIC AND PHYSIOLOGIC EFFECT ON MAN EXPOSED TO HIGH ALTITUDE
A65-80499

TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND MONKEYS BREATHING RELATIVELY PURE OXYGEN
A65-80581

CHANGES IN EYE DURING EXPOSURE TO HIGH OXYGEN ENVIRONMENTS
A65-80605

POSITIVE ACCELERATION EFFECT ON CHIMPANZEES IMMERSED IN WATER
A65-80727

REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE
A65-80755

TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY VARIOUS ORGANIC AND INORGANIC COMPOUNDS
A65-81019

LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN EQUATORIAL AFRICA
A65-81517

LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY AND CIVIL AVIATION USEFUL TO PATHOLOGISTS
A65-81540

LABOR HYGIENE AND OCCUPATIONAL PATHOLOGY IN WORK WITH ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION
N65-13729

INFLAMMATORY AND DEGENERATIVE LESIONS IN APPARENTLY NORMAL SQUIRREL MONKEYS
NASA-CR-60193
N65-15139

ELECTROMYOGRAPHY - METHOD FOR STUDYING NORMAL AND PATHOLOGICAL FUNCTIONAL STATES OF NEUROPHYSIOLOGY
N65-16729

PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY
JPRS-28724
N65-17744

SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762

HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE STRUCTURES, AND AUTOALLERGY IN PATHOLOGY
N65-17790

PATHOGENESIS OF ARTERIAL HYPOXEMIA IN RHEUMATIC HEART DISEASE
N65-17793

HYPOXIA IN PATHOLOGY OF LIVER DISEASES
N65-17802

PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION
JPRS-30015
N65-25025

PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING INHALATION OF FUMES EMANATING FROM SPECIMENS OF FIBER GLASS REINFORCED PLASTIC
N65-28293

HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666
N65-29243

IGNIZING RADIATION EFFECTS ON MAN AND ANIMALS - RADIOBIOLOGY AND PATHOLOGY
N65-30218

PATIENT

SA DISEASE
SA INJURY

MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS
A65-80371

AIR TRANSPORTATION OF PATIENTS IN ROYAL AIR FORCE WITH RESPIRATORY PARALYSIS
A65-80953

MEDICAL SUPERVISION OF INJURED DURING TRANSPORT BY HELICOPTER
A65-81613

CHANGES IN TEMPORAL AND ORBITAL CIRCULATION IN PATIENTS WITH LESIONS OF CAROTID AND VERTEBRAL ARTERIES OF HEAD - PLETHYSMOGRAM AND RHEOENCEPHALOGRAPHY DATA
NASA-TT-F-295
N65-16593

ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA OR HYPERTENSION
N65-17795

DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT TREATMENT
N65-17800

INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY FUNCTION IN BRONCHIAL ASTHMA PATIENTS
N65-17830

MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH BRONCHIAL ASTHMA
N65-17831

PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY ACCLIMATIZATION TO HIGH ALTITUDES
N65-17832

OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT
N65-17834

CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT HIGH ALTITUDE - PATIENT REACTION, HYPOXIA, RESPIRATION, CIRCULATION, AND APNEA
JPRS-30577
N65-25459

PATTERN

S DIFFRACTION PATTERN

PATTERN RECOGNITION

SPEAKER IDENTIFICATION BY EXPRESSING VOICE SIGNAL AT ANALYZER OUTPUT IN TERMS OF FREQUENCY, TIME AND AMPLITUDE
A65-15666

DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147

BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND MACHINES
A65-35479

VISUAL DISCRIMINATION OF SHAPE BY HUMANS - MATRIX FIGURES AND MINIMAL AREA CHANGES
A65-81410

PATTERN RECOGNITION IN RANDOM AND ORDERLY PRESENTATION OF VISUAL SEQUENCES.
A65-81571

TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS ON CUTANEOUS INFORMATION PROCESSING

- A65-81645
VISUAL PATTERN DISCRIMINABILITY AS FUNCTION OF
FIGURE COMPLEXITY A65-81664
ISOLATION EFFECT IN VISUAL PATTERN PERCEPTION
SIMILAR TO EFFECT IN SERIAL LEARNING A65-81751
CENTRECEPHALIC THEORY AND INTERHEMISPHERIC
TRANSFER OF VISUAL HABITS A65-82216
ADAPTIVE PATTERN RECOGNITION AND DETECTION, AND
ANALYTICAL PROBLEMS INHERENT TO PERCEPTORS
AD-608157 N65-15664
SEPARATOR FUNCTION FOR SOLUTION OF PATTERN
RECOGNITION PROBLEMS N65-20394
PATTERN RECOGNITION PROBLEMS - CLASSIFICATION,
CYBERNETIC INTERPRETATION OF RECOGNITION
PROCESS, ALGORITHMS, AND PROBABILITY PROCEDURES,
AND THEORETICAL CONSIDERATION OF SOLUTION
JPRS-31440 N65-30682
SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADG-TR-65-184 N65-34570
- PDM
S PULSE DURATION MODULATION /PDM/
- PELLET
ZERO GRAVITY FOOD PELLET DISPENSER FOR PRIMATES
IN LONG-TERM SPACE FLIGHT
ARL-TR-64-15 N65-11415
- PENTABORANE
TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND
EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112 N65-17909
TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49 N65-30346
- PENTOBARBITAL SODIUM
COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE A65-80159
CONVULSIONS IN PILOT FOLLOWING DRUG WITHDRAWAL
A65-80387
HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999
- PEPSIN
EFFECT OF HIGH TEMPERATURE ON UROPEPSIN CONTENT IN
MAN A65-80849
- PEPTIDE
AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
CHAMBER A65-80474
PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS
SOLUTION IRRADIATED WITH ULTRAVIOLET A65-80762
GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS A65-81840
GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT
ACCIDENT INVESTIGATION A65-81846
SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE
ACTIVITY MEASURED BY FLUORESCENT ASSAY
NASA-CR-50919 N65-16278
SYNTHESIS OF AMINO ACIDS AND POLYPEPTIDES
NASA-CR-53134 N65-17054
PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
LYSOZYME, AND CYTOCHROME C SPECTRA
- NASA-CR-58662 N65-29650
CHEMICAL SYNTHESIS OF ACTINOMYCIN ANALOGS -
PREPARATION OF HETEROAROYL PEPTIDES
AR-3 N65-31233
PREPARATION OF LABELLED PROTEINS AND PEPTIDES
EUR-1845.F N65-36377
- PERCEPTION
SA AUDITORY PERCEPTION
SA COLOR PERCEPTION
SA CUTANEOUS PERCEPTION
SA DEPTH PERCEPTION
SA EXTRASENSORY PERCEPTION
SA FORM PERCEPTION
SA GUSTATORY PERCEPTION
SA MOTION PERCEPTION
SA OLFATORY PERCEPTION
SA RECOGNITION
SA SENSORY PERCEPTION
SA SIZE PERCEPTION
SA SLANT PERCEPTION
SA SPATIAL PERCEPTION
SA VERTICAL PERCEPTION
SA VIBRATION PERCEPTION
SA VISUAL PERCEPTION
APPARENT VERTICALITY- FUNDAMENTAL
VARIABLES OF SENSORY-TONIC
THEORY REINVESTIGATED A65-80239
POWER FUNCTIONS APPLIED TO PERCEPTUAL-MOTOR
LEARNING A65-80244
PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS
A65-80246
SELECTIVE STRATEGIES IN ASSIMILATION
OF SUCCESSIVELY PRESENTED SIGNALS A65-80339
INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS
ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW
DETECTION METHOD A65-80390
PERCEPTUAL INTERFERENCE ASSESSED IN STUDY OF
BACKWARD MASKING FOR LETTERS A65-80564
PERCEPTION BIBLIOGRAPHY- SELECTION OF 74 ITEMS
FROM PSYCHOLOGICAL INDEX, NO. 13, 1906 A65-80567
MOTION ELEMENT SYNTHESIS REASSESSED A65-80568
IGNORING IRRELEVANT INFORMATION IN IDENTIFICATION
OF DESIGNATED SYMBOLS ON VISUAL DISPLAY A65-80706
RECALL OF VISUAL SYMBOLS RELATED TO DIFFERENTIAL
VALUE, MEMORY LOAD, AND EXPOSURE TIME A65-80791
INTELLIGENCE, PERCEPTUAL INTEGRATION, AND MINOR
HEMISPHERE SYNDROME A65-80807
MISUSE OF RED LIGHT AS A RUNNING LIGHT ON
AUTOMOBILES AND EFFECT ON VISION A65-80867
ESTIMATION OF LIGHT STIMULATOR POSITION RELATED TO
EYE MOVEMENT A65-81195
GUESSING HABITS AS FUNCTION OF SUBLIMINAL
STIMULATION A65-81359
WEBER-FECHNER LAW AND DIFFERENTIAL SENSITIVITY IN
PERCEPTION OF TEMPORAL INTERVALS A65-81360
PATTERNS OF FAT MOBILIZATION IN FIELD-DEPENDENT
AND FIELD-INDEPENDENT SUBJECTS A65-81406
PERCEPTION BIBLIOGRAPHY SELECTED FROM
PSYCHOLOGICAL INDEX, NO. 14, 1907 A65-81644
LIST OF REFERENCES ON PERCEPTION FROM

- PSYCHOLOGICAL INDEX, NO. 15, 1908. A65-81660
- VARIABILITY IN FLICKER FUSION FREQUENCY RELATED TO COGNITIVE CONTROL AND ATTENTION A65-81758
- GRADED CONTRAST EFFECTS IN JUDGMENT OF LIFTED WEIGHTS A65-81986
- SHORT-TERM, PERCEPTUAL-RECOGNITION MEMORY FOR TACHISTOSCOPICALLY PRESENTED NONSENSE FORMS A65-82056
- SELECTION OF 116 ITEMS ON PERCEPTION FROM PSYCHOLOGICAL INDEX 1909 A65-82342
- EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS ACCELERATION ON PILOT OF FLIGHT SIMULATOR - REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND POSITION IN SPACE NASA-TM-X-51755 N65-23710
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS, SPEECH FORMING MECHANISM, PERCEPTION, AND ARTICULATION FOR HUMAN COMMUNICATION WITH ELECTRONIC COMPUTERS JPRS-30543 N65-25514
- CYBERNETICS IN MOLECULAR BIOLOGY AND THEORY OF PERCEPTION JPRS-30523 N65-26221
- NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION, PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223
- EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS NRC-TT-1162 N65-28590
- OVERVIEW OF RESEARCH IN PHYSIOLOGICAL, EXPERIMENTAL, DEVELOPMENTAL, AND COMPARATIVE PSYCHOLOGY - STUDIES ON BRAIN AND BEHAVIOR, PERCEPTION, COORDINATION, AND LEARNING NASA-CR-58831 N65-32115
- EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION AND FEASIBILITY OF USING DIRECT PERCEPTUAL ESTIMATION TO DETERMINE ANGLES OF DRIFT TR-65-8 N65-34684
- RELATIONSHIP BETWEEN PERCEPTION ORIENTATION AND COMPENSATORY TASK PERFORMANCE RM-260J N65-36206
- BASIC STUDIES ON TACTILE PERCEPTION AND COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS, INSTRUMENTATION, AND EQUIPMENT NASA-CR-322 N65-36764
- PERCEPTRON
ADAPTIVE PATTERN RECOGNITION AND DETECTION, AND ANALYTICAL PROBLEMS INHERENT TO PERCEPTRONS AD-608157 N65-15664
- PERCEPTUAL DEPRIVATION
S SENSORY DEPRIVATION
- PERCEPTUAL SPEED
PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION AND POSITION IN SPACE WHILE UNDERGOING SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION A65-18429
- INTERMODAL DIFFERENCES IN PERCEPTUAL DELAY AND SPEED OF READING AND TAPPING A65-80259
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION AND OCULOMOTOR REACTION TIMES IN MAN A65-80645
- INVESTIGATION OF PRESENCE OR ABSENCE OF VISION DURING INVOLUNTARY SACCADIC EYE MOVEMENTS UNDER CONDITIONS OF NORMAL STEADY FIXATION AD-617409 N65-33012
- PERFORMANCE
S ANIMAL PERFORMANCE
S ASTRONAUT PERFORMANCE
S HUMAN PERFORMANCE
S MENTAL PERFORMANCE
S OPERATOR PERFORMANCE
S PILOT PERFORMANCE
S PSYCHOMOTOR PERFORMANCE
- PERFORMANCE CHARACTERISTICS
TROUBLESHOOTING INFORMATION PRESENTATION TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE EQUIPMENT CHARACTERISTICS A65-18290
- VIGILANCE PERFORMANCE IN MULTICHANNEL MONITORING A65-80348
- REACTION AND PHYSICAL PERFORMANCE CAPACITY OF MAN AS AFFECTED BY CLIMATE A65-80502
- FOREARM POSITION VARIATION EFFECT ON ELBOW FLECTION DURING CHINNING EXERCISE A65-80521
- PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT A65-80533
- FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF PILOTS A65-80534
- PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF TWO AGE GROUPS IN HOT CONDITIONS A65-80629
- INCREASING SENSITIVITY OF MEASURES OF PERFORMANCE A65-80885
- SIMPLIFICATION OF CLINICAL CALORIC TEST FOR VESTIBULAR FUNCTION WITH REDUCTION IN PERFORMANCE TIME A65-81046
- MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL THREAT STRESS AS RELATED TO COLOR DISCRIMINATION PERFORMANCE A65-82118
- PERFORMANCE AND RUNNING TIME OF ATHLETES AT ALTITUDE AND SEA LEVEL A65-82144
- PURSUIT AND COMPENSATORY TRACKING PERFORMANCE WHILE VARYING TASK MODE, CONTROL-DISPLAY DISPLACEMENT FUNCTION, AND TARGET VELOCITY A65-82361
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING EQUIPMENT A65-82362
- PERFORMANCE DECREMENT
HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE A65-81871
- PERIODIC PROCESS
DETECTION OF RATE CHANGES IN PERIODIC PROCESSES CSL-R-235 N65-19410
- PERIODICITY
SA LONG PERIOD EFFECT
- PERIODICITY OF CONDITIONAL FUGITIVE REFLEX - CYBERNETICS N65-21091
- CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM PERIODICITY EFFECTS ON TASK PERFORMANCE IN INDUSTRY AD-611788 N65-22678
- PERIODICITY /BIOL/
SA ACTIVITY CYCLE /BIOL/
- VISUAL THRESHOLD VARIABILITY IN FEMALE SUBJECTS OVER 50-DAY PERIOD A65-80457
- HIBERNATION OF HEDGEHOG, ERINACEUS EUROPAEUS - PERIODICITY OF HIBERNATION OF UNDISTURBED ANIMALS DURING WINTER AT CONSTANT AMBIENT TEMPERATURE A65-81764

PERIPHERAL CIRCULATION

SUBJECT INDEX

PERIPHERAL CIRCULATION

TOPOGRAPHICAL STUDY OF THERMAL RADIATION
PROPERTIES OF HUMAN SKIN IN VIVO A65-80006

THERMAL RADIATION OF SKIN AS FUNCTION OF
PERIPHERAL CIRCULATION AND COOLING IN MAN A65-80007

CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT
STRESS A65-80677

CHANGES IN PERIPHERAL BLOOD OF RATS IRRADIATED IN
HYPOTHERMIC STATE A65-81247

RELATIONSHIP BETWEEN CHANGES IN ELECTRIC POTENTIAL
OF FOREARM MUSCLES AND ACRAL VASOMOTOR REACTION
EVOKED BY DEEP INSPIRATION A65-81993

CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD
VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION
OF RADIOACTIVE ISOTOPES N65-28223
JPRS-31007

ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION,
COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY
AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY
N65-28706

NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE
WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
NASA-TT-F-9578 N65-36751

PERIPHERAL NERVOUS SYSTEM

RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT
TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT
NERVES A65-81024

CLINICAL DATA ON PATIENTS SUBJECTED TO VIBRATIONAL
FREQUENCIES INDICATING CHANGES IN PERIPHERAL
NERVOUS SYSTEM AND VESSELS N65-22643

MODEL OF PERIPHERAL AUDITORY SYSTEM - CASE STUDY
IN NEURAL MODELING N65-35219
NASA-CR-58094

PERMEABILITY

GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS
AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND
CARBON DIOXIDE A65-80818

INFLUENCE OF ULTRASOUND ON PERMEABILITY OF
BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN
RABBITS A65-81289

PERMEABILITY IN GAS-MEMBRANE-GAS SEPARATION
SYSTEMS N65-16326
NASA-CR-51103

PEROXIDE

ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374

PERSONALITY

SA APTITUDE
SA CREATIVITY
SA DEPERSONALIZATION

DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND
SECOBARBITAL ON SELF-EVALUATION A65-80004

MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092

TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY
CHARACTERISTICS OF AIR TRAFFIC CONTROL
SPECIALIST RELATED TO PASS-FAIL DATA A65-80144

NEUROPSYCHOLOGICAL EXPLANATION OF UNITY OF
BINOCULAR VISION A65-80389

FIELD DEPENDENCE STABILITY AFTER ROTATION OF BODY
AS MEASURED BY ROD AND FRAME TEST A65-80461

SENSORY DEPRIVATION, PERSONALITY FACTORS, AND
EXPERIENCE OF VISUAL IMAGERY A65-80516

PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY
TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT
TEMPERATURE A65-80547

PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF
DEFENSES ON RORSCHACH PROTOCOL A65-80562

TIME IMAGERY, INTROVERSION, AND FANTASIED
PREOCCUPATION IN SIMULATED ISOLATION A65-80576

VISUAL IMAGERY PRODUCED BY RHYTHMIC PHOTIC
STIMULATION - PERSONALITY CORRELATES AND
PHENOMENOLOGY A65-80866

PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN
A65-81248

PERSONALITY, TIME ESTIMATION, AND TIME EXPERIENCE
A65-81317

MOTIVATION AND PERSONALITY FACTORS IN TRAINING AND
MENTAL STRESS OF STUDENT PILOTS A65-81328

PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND
THEIR PREDICTION FROM RORSCHACH PROTOCOLS
A65-81452

KNOWLEDGE OF RESULTS AND CAUTIOUSNESS IN SIGNAL
DETECTION A65-81491

FIELD INDEPENDENCE-DEPENDENCE AND SUSCEPTIBILITY
TO DISTRACTION A65-81564

CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND
EXERCISE HABITS - POTENTIAL CARDIAC RISK AND
SCREENING TEST A65-81599

REACTIONS OF EXTROVERTS AND INTROVERTS TO SENSORY
DEPRIVATION A65-81654

IMPORTANCE OF TIME AND ITS SUBJECTIVE SPEED
A65-81752

CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION A65-81812

THEORETICAL AND PRACTICAL PROBLEMS CORRELATING
ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR
SELECTING PERSONNEL A65-81813

INTERINDIVIDUAL DIFFERENCES IN CATECHOLAMINE
EXCRETION DURING STRESS A65-81883

RELATION BETWEEN SCORE ON STIMULUS VARIATION SCORE
AND AUTOKINETIC MOVEMENT A65-81935

RORSCHACH CORRELATES OF TIME ESTIMATION
A65-82087

PERSONALITY AND INVERTED - U RELATION BETWEEN
PERFORMANCE AND AROUSAL A65-82114

COMPETITIVE AND NONCOMPETITIVE PERFORMANCE IN
RELATION TO ACHIEVEMENT MOTIVE AND MANIFEST
ANXIETY A65-82176

DOGMATISM AS DEFENSE MECHANISM INTERFERING WITH
PROCESSING OF PREDECISIONAL INFORMATION A65-82294

PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS,
AVIATION, AND ASTRONAUTICS N65-13746

FIELD BEHAVIOR AND PRE-EXPEDITION PERSONALITY
ASSESSMENT RESULTS, CRITERION VARIABLES, AND
ASSESSMENT CORRELATES OF 1963 AMERICAN MOUNT
EVEREST EXPEDITION TR-1 N65-25905

PERSONNEL
SA ASTRONAUT

SUBJECT INDEX

PERSONNEL SELECTION

SA FLYING PERSONNEL
SA MEDICAL PERSONNEL
SA PILOT
SA SPACECREW

RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR
RADAR PERSONNEL A65-80058

TUBERCULOSIS IN ITALIAN AIR FORCE PERSONNEL -
MEDICO-LEGAL SURVEY A65-80214

ROLE OF MAN IN EXPLORATION OF SPACE
A65-80813

FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL
FACILITIES AND STRESS-RELATED SYMPTOMS
A65-80895

SURVEY OF MILITARY SPORT PARACHUTING INJURIES AND
DEATHS A65-80950

PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY
MECHANICS A65-81035

JOB OPPORTUNITIES AND OCCUPATIONS IN NASA SPACE
PROGRAM A65-81390

PROGRAM FOR HEARING CONSERVATION- HAZARDOUS NOISE
EXPOSURE IN PERSONNEL AT NAMA AF BASE, OKINAWA
A65-81432

HEARING PROBLEMS IN PERSONNEL OF SABENA AIRLINES
FROM 1958 TO 1962 A65-81780

SICKNESSES AND PHYSICAL FITNESS OF AVIATION
PERSONNEL A65-81781

USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT
OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL
SPECIMENS A65-81970

CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR
WORKERS OF VARIOUS AGES A65-82038

SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR
TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY
OCCUPATIONAL EXPERIENCE A65-82122

AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY A65-82239

WORKING CONDITIONS AROUND ULTRAHIGH FREQUENCY
GENERATORS - PERSONNEL SAFETY N65-13739

HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE
AND TECHNIQUES FOR ATTENUATION AT PERSONNEL
POSITIONS
TN-4-64 N65-14344

FLIGHT TRAINING PERSONNEL ATTRITION RATES
BUMED-40 N65-17242

IMPROVEMENT OF PERSONNEL WORK PERFORMANCE
CHARACTERISTICS IN MILITARY MONITOR SYSTEMS
AD-609112 N65-18001

PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY
PERSONNEL - HEART RATE CURVES DURING EXERCISE,
RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS
NSAM-890 N65-24810

HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF
PERSONNEL BEHAVIOR UNDER FIELD WORKING
CONDITIONS - CONTROL SURVEILLANCE SYSTEM
100-17074 N65-25435

SUPPLY OF TRAINED PERSONNEL FOR ENGINEERING AND
SCIENCE
NASA-CR-27953 N65-27953

FEASIBILITY OF IDENTIFYING PERSONS BY ANALYZING
ACCELERATION AND PEN-PAPER CONTACT PATTERNS
GENERATED DURING SIGNATURE PROCESS
SID-65-24 N65-30559

PERSONNEL DOSIMETRY SYSTEM FOR APOLLO
NASA-CR-65071 N65-30920

PERSONNEL SELECTION
SA PHYSICAL EXAMINATION
SA PILOT SELECTION

INTEGRATED MISSION SIMULATION TECHNIQUE TESTS
PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR
MISSION
AIAA PAPER 65-275 A65-22125

TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY
CHARACTERISTICS OF AIR TRAFFIC CONTROL
SPECIALIST RELATED TO PASS-FAIL DATA
A65-80144

AEROSPACE MEDICINE - RELATION TO JOB REQUIREMENTS,
SELECTION AND TRAINING OF ASTRONAUTS, AND SPACE
FLIGHT STRESSES A65-80183

DEPERSONALIZATION SYNDROME AS THREAT TO
EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222

RESEARCH LITERATURE ON SELECTION INTERVIEW WHICH
HAS APPEARED SINCE 1949 A65-80785

PERSONNEL TESTING- PRINCIPLES OF TESTING, VARIOUS
TESTS, AND APPLICATION TO SELECTION AND PLACEMENT
A65-81059

LEADERSHIP MODEL PROPOSED WHICH IS BASED ON
GROUP-TASK SITUATION A65-81083

DIVERSITY OF PARTICIPATION IN ACTIVITIES AND
CREATIVITY OF AIR FORCE OFFICERS
A65-81245

PILOT RELIABILITY AND SKILL RETENTION FOR SPACE
FLIGHT MISSIONS A65-81305

PSYCHOMETRIC VALIDATION OF PSYCHOLOGICAL SELECTION
BATTERY OF AIR TRAFFIC AND FIGHTER CONTROL
OFFICERS A65-81332

AVIATION PSYCHOLOGY- PERSONNEL SELECTION,
TRAINING, AND HUMAN FACTORS A65-81366

VALIDATION OF CAREFULNESS TEST BATTERY USED IN
PERSONNEL SELECTION A65-81555

PROBLEMS INHERENT IN PURPOSES OF INITIAL
CARDIOVASCULAR EXAMINATION OF AVIATION PERSONNEL
A65-81774

UTILIZING ELECTROENCEPHALOGRAPHY IN AEROSPACE
MEDICINE A65-81788

CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION
A65-81812

THEORETICAL AND PRACTICAL PROBLEMS CORRELATING
ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR
SELECTING PERSONNEL A65-81813

HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION A65-81821

AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING
AUDIOMETRY IN SELECTING FLYING PERSONNEL
A65-81830

SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING
SKILL
AMRL-MEMO-P-53 N65-11638

USE OF ANTICIPATING PROCESSES IN FLIGHT ACTIVITY
FOR SELECTION AND TRAINING OF PERSONNEL AND
CONTROL OF ACCIDENTS N65-13662

SELECTION OF INDIVIDUALS FOR FLIGHT TRAINING
N65-13674

CARDIOVASCULAR REACTION DURING PARACHUTE TRAINING,
VIBRATION EXPOSURE, AND PROLONGED CONFINEMENT
AND ISOLATION AS MEASURE OF EFFICIENCY AND
ENDURANCE OF MAN FOR SPACE FLIGHT TRAINING
N65-13712

INDIVIDUAL DIFFERENCES IN SENSITIVITY TO

- HYPOCAPNIA AND USE OF HYPERVENTILATION IN
SELECTION OF CANDIDATES FOR FLIGHT TRAINING
N65-13720
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS
N65-13727
- FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL,
AND GASTROINTESTINAL DISEASES - PERSONNEL
SELECTION
N65-13732
- PROBLEMS OF PERSONNEL SELECTION
N65-13738
- EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF
AVIATION CADETS - PREDICTABILITY AND RELIABILITY
N65-13747
- HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND
TRAINING OF FLIGHT PERSONNEL
N65-13753
- METHODS OF SELECTING PERSONNEL BY VESTIBULAR
TESTS
N65-13779
- QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19
N65-14061
- HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH
SPEED FLIGHT - PILOT TASK LOADING, FUNCTION
ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION
AD-460918
N65-27205
- MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631
N65-33388
- PERSONNEL SUBSYSTEM**
- SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED
PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL
SUBSYSTEM CONCEPT
A65-18292
- MINIMIZATION OF HUMAN ERRORS EFFECT ON SYSTEM
SAFETY BY TREATING MAN AS SUBSYSTEM WITHIN GIVEN
SYSTEM
A65-31588
- PERSONNEL SUBSYSTEM REQUIREMENTS FOR WEAPON SYSTEM
AMRL-TDR-64-65
N65-11772
- PERSPIRATION**
S SWEATING
- PETROLEUM**
SA GASOLINE
SA KEROSENE
- TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES
IN INDUSTRY
JPRS-29913
N65-23145
- OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND
CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND
PETROLEUM GAS WITH HYDROGEN SULFIDE
JPRS-30443
N65-25425
- MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS
JPRS-31360
N65-29790
- PETROLOGY**
SA ROCK
- PETROLOGICAL AND COMPOSITIONAL RELATIONSHIPS IN
VARIOUS TYPES OF METEORITES
A65-80373
- PH**
- INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION
A65-80198
- RAPID ESTIMATION OF PLASMA CARBON DIOXIDE TENSION
FROM PH AND TOTAL CARBON DIOXIDE CONTENT
A65-81282
- CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR
ARTERIAL BLOOD ANALYSIS
A65-81492
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
- HYPOTHERMIA IN DOG
A65-81839
- EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875
N65-33711
- PH FACTOR**
RESPIRATION AND CEREBROSPINAL FLUID PH IN
METABOLIC ACIDOSIS AND ALKALOSIS IN MAN
A65-81905
- PHARMACOLOGY**
SA DRUG
SA TOXICOLOGY
- ACETYLCHOLINE AND RELATED DRUGS ROLE IN
ACCELERATION STRESS TOLERANCE
A65-14232
- CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE
TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION
A65-31007
- PHARMACEUTICALS AND ADMINISTRATIVE MEANS FOR
EFFECTING PERFORMANCE CHANGES IN ASTRONAUTS UNDER
FLIGHT STRESSES
A65-33278
- WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED
MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION
COUNTERACTED BY VARIOUS DRUGS
A65-33279
- ASPECTS OF PHARMACOLOGY OF VARIOUS RADIOPROTECTANT
DRUGS
A65-80168
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA
MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
INVESTIGATIONS OF BLOOD AND BROWN FAT
A65-81457
- PHARMACOLOGICAL SUPPORT BY USING DRUGS FOR MAN ON
LONG SPACE FLIGHTS
A65-81630
- NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY,
PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL
CLINICAL AND BEHAVIORAL PATTERNS
NASA-CR-62354
N65-22165
- PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS
NASA-TT-F-9340
N65-22622
- ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING
INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON
BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
FTD-TT-65-388/162
N65-26142
- PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT
PROTECTION AND APPLICATION OF PHYSIOCHEMICAL
ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/162&364
N65-28531
- PHARMACOLOGICAL AGENT EFFECTS ON CORONARY
CIRCULATION
NASA-TT-F-336
N65-31146
- BIOCHEMISTRY, RADIOBIOLOGY, PHARMACOLOGY,
TOXICOLOGY, NUCLEAR MEDICINE, BIOPHYSICS, AND
ENVIRONMENTAL RADIATION PUBLICATIONS
UCLA-12-541
N65-31798
- ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909
N65-32356
- PHASE**
S LUNAR PHASE
- PHASE SHIFT**
PHASE SHIFT EFFECT ON PERCEPTION OF ALTERNATING
COLORED STIMULI
A65-80769
- PHENOL**
SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY
MEN EXPOSED TO BENZENE VAPOR
A65-80611
- GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF
PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993

PHENOMENON

- S MEDICAL PHENOMENON
- S PHYSIOLOGICAL PHENOMENON

PHENOTHIAZINE

- SA PROCHLORPERAZINE
- SA PROMETHAZINE

CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE
TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION
A65-31007

LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN
DOG CEREBELLUM AND ASSOCIATED AREAS
A65-33023

CONTROL OF VERTIGO AND POSSIBLE TREATMENT OF
MOTION SICKNESS WITH THIETHYLPERAZINE, A NEW
PHENOTHIAZINE
A65-82036

PHENYLALANINE

PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR
CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY
METHYL DOPA
A65-82191

PHENYLENE DIAMINE

PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC
REACTIONS IN ISOLATED CHLOROPLASTS
AFCL-65-550
N65-34185

PHILOSOPHY

PROGNOSSES FOR DEVELOPMENT OF SCIENCE, ORGANIZATION
AND LOCALIZATION OF BRAIN FUNCTION, AND TOTALITY
IN LIGHT OF CYBERNETICS - PHILOSOPHICAL PROBLEMS
IN SCIENCE
JPRS-28029
N65-13509

CYBERNETICS - PHILOSOPHY AND SOCIOLOGY
JPRS-22814
N65-17310

PHONARTERIOGRAM

VALIDITY OF PHONOARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE
A65-80079

PHONOCARDIOGRAM

BIOINSTRUMENTATION FOR AEROSPACE MEDICINE -
CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR
BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM
SIMULATOR, AND ELECTRON VOLTAGE STABILIZER
FTD-TT-64-1089/162
N65-33752

PHONOCARDIOGRAPHY

CORRELATION OF ELECTRIC AND MECHANICAL
ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND
PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW
MEMBERS
N65-36105

PHOSPHATE

- SA ADENOSINE TRIPHOSPHATE /ATP/

PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
PHOSPHATES AND SIMILAR LABORATORY SYNTHESSES
A65-80476

SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
LIKE SYSTEM
A65-80482

METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN
CHLORELLA CELLS
A65-80704

UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID
SYNTHESIS IN BRAIN AND LIVER OF RATS DURING
HYPOXIA AND POST-HYPOXIC STATE
A65-80721

DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID
FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT
SIMULATED ALTITUDE
A65-80928

SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE
ACTIVITY MEASURED BY FLUORESCENT ASSAY
NASA-CR-50919
N65-16278

EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13
N65-18974

PHOSPHOR

TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172

PHOSPHORIC ACID

THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH
POLYPHOSPHORIC ACID
A65-80481

THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
OF POLYPHOSPHORIC ACID
A65-80483

POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE
JPRS-32340
N65-36205

PHOSPHORUS

VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596

PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS
A65-81800

RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183
N65-20828

DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153

PHOSPHORUS COMPOUND

INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF
DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN
RAT LIVERS
N65-19213

PHOSPHORUS METABOLISM

SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES
DURING SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
A65-80810

GLUCOSE INFLUENCE ON PHOSPHORUS METABOLISM IN
CHLORELLA
N65-21073

ALGAE PHOSPHORUS METABOLISM IN LIPID FRACTIONS
UNDER NORMAL AND HETEROTROPHIC CONDITIONS
N65-21074

PHOSPHORUS 32

MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE
FROM SACRIFICED MALE RAT FEMURS IN VITRO
A65-16559

PHOSPHORYLATION

ASSIMILATION OF ENERGY FROM INORGANIC SOURCES IN
AUTOTROPHIC FORMS OF LIFE SUCH AS NITROBACTER
WINOGRADSKYI BUCH
A65-25241

PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION
A65-81767

PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND
X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC
ACID SYNTHESIS IN ANIMAL CELLS
N65-23458

PHOTIC STIMULATION

STIMULUS INTENSITY AND PHOTICALLY EVOKED CEREBRAL
RESPONSE AS POSSIBLE OBJECTIVE INDEX OF BRIGHTNESS
PERCEPTION FOR MAN
A65-24831

TEMPERATURE AND PRECONDITIONING EFFECT ON
PHOTOPERIODIC RESPONSE OF PHARBITIS NIL, STRAIN
VIOLET SHORT-DAY PLANT
A65-30650

PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256

FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY
MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC

PHOTOCHEMICAL REACTION

SUBJECT INDEX

INTERMITTENCY A65-80460

CORRELATION OF SPECIFIC AND NONSPECIFIC RESPONSES TO LIGHT REVEALED IN HUMAN ELECTROENCEPHALOGRAM A65-80698

DIFFERENCE IN PROCESS OF MASKING WITH BRIGHT LIGHT FLASH OR BY PATTERNS A65-80794

CUTANEOUS PERCEPTION IN HUMAN SUBJECTS OF COLOR AND PATTERNS BY PHOTIC STIMULATION A65-80797

CHEMICAL BASIS OF CUTANEOUS PERCEPTION IN MAN AS AFFECTED BY LIGHT A65-80798

VISUAL IMAGERY PRODUCED BY RHYTHMIC PHOTIC STIMULATION - PERSONALITY CORRELATES AND PHENOMENOLOGY A65-80866

NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC STIMULATION OF RABBIT EYE A65-81086

FLICKER PERIODICITY EFFECT ON PERFORMANCE AND AROUSAL DURING ROTARY PURSUIT TASK A65-81105

INTERMITTENT LIGHT STIMULATION EFFECT ON CRITICAL FUSION FREQUENCY A65-81224

DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY PHOTIC STIMULATION BY STUDY OF ELECTROENCEPHALOGRAMS A65-81454

DEPENDENCE OF PERCEPTION OF PHOTIC SIGNALS ON INTERVALS BETWEEN THEM AND AFTER EFFECT ON ELECTROMYOGRAM AND ELECTROENCEPHALOGRAM A65-81455

INVERSION OF PHOTIC EVOKED POTENTIALS IN VISUAL CORTEX OF CONSCIOUS RABBITS A65-81485

CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF MONKEY RETINA A65-81494

DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION OF CENTRAL AND PERIPHERAL RETINA A65-81656

VISUAL OBSERVATION OF H-RESPONSE IN ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL EXPOSED TO PHOTIC STIMULATION AS RELATED TO MIGRAINE A65-81974

INFLUENCE OF FLASH INTENSITY UPON VISUAL EVOKED RESPONSE IN HUMAN CORTEX A65-81991

DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION, HYPERVENTILATION, AND PHOTIC STIMULATION A65-82032

ELECTROENCEPHALOGRAM OF HUMAN SUBJECTS UNDER RESTING CONDITIONS AND DURING REPETITIVE PHOTIC STIMULATION A65-82063

EVOKED CORTICAL POTENTIALS IN RELATION TO PUPILLARY DIAMETER IN RAT A65-82071

CHROMATIC INDUCTION IN HUMAN EYE BY PULSATING BLACK AND WHITE FLASHES A65-82265

RELATIONSHIP OF ELECTROENCEPHALOGRAM BACKGROUND RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN A65-82277

GRAVITATION EFFECT ON NERVOUS SYSTEM DURING SPACE FLIGHT, AND EFFECTS OF AGE, SOUND, AND PHOTIC STIMULI ON ARTERIOSCLEROSIS AND ROLE OF NERVOUS SYSTEM IN PATHOGENESIS JPRS-29666 N65-23443

EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC STIMULI ON DEVELOPMENT OF NUTRITIONAL CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL NERVOUS SYSTEM IN PATHOGENESIS N65-23445

HUMAN ELECTROENCEPHALOGRAM AND ELECTRODERMAL RESPONSE CHANGES WITH TEMPORARY CONNECTION

BETWEEN MOTOR AND VISUAL ANALYZERS IN KINESTHETIC AND PHOTIC STIMULATION PAIRING FTD-TT-65-434/162 N65-30015

PHOTOCHEMICAL REACTION

PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT EFFECTS OF SUNLIGHT ON HUMAN BODY A65-80492

PHOTOCHEMICAL ORIGIN OF LIFE A65-81526

PROBLEMS IN PHOTOSYNTHESIS- OXIDATION REDUCTION PROCESSES AND PHOTOCHEMICAL REACTION CENTER MECHANISMS A65-82014

PHOTOCHEMISTRY

SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC MATERIAL STUDIES NASA-CR-64418 N65-31053

PHOTODETECTOR

THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF COLOR PERCEPTION AD-611401 N65-33479

PHOTOGRAMMETRY

COMPARISON OF LIMITS OF MAN AND AUTOMATIC SYSTEMS IN PERFORMING FUNCTIONS IN PHOTOGRAMMETRY A65-12932

PHOTOGRAPH INTERPRETATION

STEREOKINERADIOGRAPHY - PERCEPTION OF MOTION AND DEPTH IN RELATION TO PHOTOGRAPHIC INTERPRETATION A65-80634

PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL ASPECTS OF IMAGERY AND CONTENT NADC-TR-64-326 N65-23083

PHOTOGRAPHIC FILM

FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED PROGRAMMED INSTRUCTION AMRL-TR-65-78 N65-30119

PHOTOGRAPHY

SA AERIAL PHOTOGRAPHY
SA COLOR PHOTOGRAPHY
SA RADIOGRAPHY

X-RAY FLUORESCENCE, X-RAY SCREENS, AND MATERIALS FOR X-RAY PHOTOGRAPHY N65-30216

PHOTOLYSIS

SA HILL REACTION

HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST EXTRACTS FROM SPINACH NASA-CR-67374 N65-35580

PHOTORECEPTOR

SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS DETERMINED, USING ADDITION CURVES FOR NORMAL TRICHROMATES A65-30076

BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS NASA-CR-63145 N65-25270

PHOTOSYNTHESIS

SA CHLOROPHYLL
SA METABOLISM

MODIFIED PHYCOERYTHRIN SEPARATION FROM PORPHYRIDIUM CRUENTUM TREATED WITH P-CHLOROMERCURIBENZOATE AND INTERACTION WITH GLUTATHIONE A65-13547

COOPERATION BETWEEN AND PLANT CONTROL OF ENERGY FLUX IN TWO LIGHT REACTIONS IN PHOTOSYNTHESIS A65-17812

CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVERCROWDING AND DISEASE IN MULTICELLULAR SYSTEMS A65-18287

SUBJECT INDEX

PHOTOSYNTHESIS

- PROBLEM OF OXYGEN SUPPLY ON SPACE FLIGHTS
REQUIRING PHOTOSYNTHESIS SOLUTION A65-21342
- ASSIMILATION OF ENERGY FROM INORGANIC SOURCES IN
AUTOTROPHIC FORMS OF LIFE SUCH AS NITROBACTER
WINOGRADSKYI BUCH A65-25241
- PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING
DWARF MOUSE AND ILLUMINATED SUSPENSION OF
CHLORELLA ELLIPSOIDEA A65-31005
- OXYGEN LACK EFFECT ON INDUCTIVE PHASE
OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION
IN CHLORELLA VULGARIS A65-80317
- NUTRITIONAL REQUIREMENTS OF ALGAE - ELEMENTS FOR
PHOTOSYNTHESIS AND NORMAL METABOLISM A65-80375
- LIMITING FACTORS IN PHOTOSYNTHETIC YIELD IN ALGAE
GROWN UNDER NATURAL ECOLOGICAL CONDITIONS A65-80377
- CULTURE TECHNIQUE AND ENVIRONMENTAL FACTORS IN
USING ALGAE FOR PHOTOSYNTHETIC GAS EXCHANGE A65-80378
- ROLE OF LIGHT IN EVOLUTION - TRANSITION FROM ONE
QUANTUM TO TWO QUANTA MECHANISM A65-80489
- FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS
DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA A65-80597
- PHOTOSYNTHETIC ACTIVITY IN SMALL AND LARGE CELLS
OF CHLORELLA PYRENOIDOSA, 7-11-05 A65-80811
- RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED
LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF
ALGAE AND HIGHER PLANTS A65-80846
- GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME,
LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON
PHOTOSYNTHESIS A65-81590
- KINETICS OF OXYGEN PRODUCTION DURING
PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA A65-81677
- CHEMICAL INHIBITION OF PHOTOSYNTHETIC CARBON
REDUCTION CYCLE IN CHLORELLA PYRENOIDOSA A65-81762
- KINETICS OF PHOTOSYNTHETIC FLUORESCENCE INDUCTION
RELATED TO OXYGEN PRODUCTION IN CHLORELLA
PYRENOIDOSA A65-81763
- IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS A65-81891
- INVESTIGATION OF GAS EXCHANGE IN PLANTS IN CLOSED
SYSTEM WITH HELP OF CARBON 14 IN CARBON DIOXIDE A65-81924
- PROBLEMS IN PHOTOSYNTHESIS- OXIDATION REDUCTION
PROCESSES AND PHOTOCHEMICAL REACTION CENTER
MECHANISMS A65-82014
- DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES A65-82347
- EFFECT OF MITOMYCIN C ON PROCESSES OF GREENING AND
DIVISION OF GLUCOSE BLEACHED CELLS OF CHLORELLA
PROTOTHECOIDES A65-82348
- EFFECT OF HIGH INTENSITY MAGNETIC FIELDS ON
RESPIRATION AND PHOTOSYNTHESIS IN ALGAE
NRL-6153 A65-10497
- COMBINED MONOCHROMATIC LIGHT WAVELENGTH EFFECTS ON
PHOTOSYNTHESIS IN ALGAE A65-11325
- PRESSURE AS FACTOR IN ALGAE GROWTH - OXYGEN
- PRODUCED BY PHOTOSYNTHESIS OF ALGAE N65-11717
- PHOTOSYNTHESIS IN CHLORELLA CELL DEVELOPMENT
AND AGING N65-15802
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED
ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554 N65-16812
- ACTIVITY VARIATIONS OF PHOTOSYNTHETIC MECHANISMS
IN GREEN PLANT CELLS N65-16813
- PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709 N65-16815
- GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL,
AND PHOTOSYNTHETIC GAS EXCHANGER STUDY
SAM-TDR-64-52 N65-16879
- CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070
- PHOTOSYNTHESIS AS REGENERATION SYSTEM FOR SPACE
FLIGHT N65-18591
- MODEL OF PHOTOSYNTHESIZING SYSTEMS BASED ON
ELECTRON TRANSFER CONCEPT N65-20395
- PHOTOSYNTHETIC MECHANISMS UNDER SUBOPTIMAL
CONDITIONS AFOSR-65-0056 N65-20566
- PHOTOSYNTHETIC REACTIONS DURING REGREENING OF
ALGA CHLAMYDOMONAS REINHARDI AFRL-64-342 N65-24455
- PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH
EMPHASIS ON CHEMICAL COMPOSITION AND
PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS
BEYER FTD-TT-64-636/162 N65-28101
- PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT
MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON
SYNTHESIS AND MULTIPLICATION OF SPECIES N65-28102
- PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203 N65-28817
- SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC
MATERIAL STUDIES NASA-CR-64418 N65-31053
- ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM
OF GREEN BACTERIA, ION CONCENTRATION RELATING TO
SMALL MEMBRANES, ELECTRICAL MODEL OF NERVE
FIBER, AND PARAMECIUM MOVEMENT JPRS-31282 N65-32658
- BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN
SEQUENTIAL TRANSPORT OF ELECTRONS DURING
PHOTOSYNTHESIS N65-32659
- DIFFERENTIAL SPECTRUM OF GREEN BACTERIA
CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF
BACTERIOVIRIDINE CONVERSIONS DURING
PHOTOSYNTHESIS N65-32660
- PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC
REACTIONS IN ISOLATED CHLOROPLASTS AFRL-65-550 N65-34185
- HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH NASA-CR-67374 N65-35580
- PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF
CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED

PHOTOTROPISM

ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786

PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
ACID
EUR-1648.F N65-36376

PHOTOTROPISM

LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE
FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION
WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE
A65-33948

PHYSICAL CHEMISTRY

SYMPOSIUM ON PHYSICOCHEMICAL BASES OF BIOELECTRIC
POTENTIALS
JPRS-31971 N65-33430

PHYSICAL ENDURANCE
SA WORK CAPACITY

LOCAL MUSCULAR ENDURANCE AS AFFECTED BY RAISING
BODY TEMPERATURE THROUGH PHYSICAL ACTIVITY
A65-80523

FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS
A65-80991

PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE,
RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION
OF MEN WORKING IN ANTARCTIC A65-81140

WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO
HEART RATE AND OXYGEN UPTAKE A65-81142

RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER
ISOMETRIC AND DYNAMIC METHODS OF TRAINING
A65-81269

BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES
AS AFFECTED BY BREATHING IONIZED AIR
A65-82018

PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL
INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS
BED REST AND PHYSICAL EXERCISE A65-82367

EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR
BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION
AM-64-2 N65-16161

EVALUATION OF TREADMILL AND GRADATIONAL STEP TEST
FOR ASSESSING CARDIORESPIRATORY CAPACITY
AM-64-3 N65-16215

EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL
ENDURANCE OF IRRADIATED MICE AND RATS AFTER
ADRENAL GLAND REMOVAL, AND ON MUSCULAR TONUS OF
GUINEA PIG INTESTINE
JPRS-31933 N65-35890

PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891

PHYSICAL EXAMINATION
SA PERSONNEL SELECTION

FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND
MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS
A65-80730

RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION
IN COMMERCIAL PILOT SELECTION A65-81297

ELECTROCARDIOGRAMS OF PILOT WITH
ARTERIOVENTRICULAR BLOCK TAKEN DURING PHYSICAL
EXAMINATIONS OVER TWENTY-YEAR PERIOD
A65-81772

PROBLEMS INHERENT IN PURPOSES OF INITIAL
CARDIOVASCULAR EXAMINATION OF AVIATION PERSONNEL
A65-81774

SCREENING AND SELECTION OF SPANISH PILOTS
A65-81778

SUBJECT INDEX

EVALUATION OF MEDICAL DATA OF PHYSICAL EXAMINATION
IN PILOT SELECTION A65-81810

PHYSICAL EXERCISE
SA MUSCULAR FATIGUE
SA WORK CAPACITY

OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM
MUSCULAR EXERCISE OF FLYING CADETS A65-20984

SPACECREW PHYSICAL EXERCISE REQUIREMENT EFFECTS ON
SYSTEM DESIGN AND MISSION SUCCESS A65-21208

EXERCISE EFFECTS ON CORONARY AND PULMONARY
CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY
SINUS CATHETERIZATION A65-31346

EOSINOPHIL LEVELS IN PERIPHERAL BLOOD AFTER STATIC
AND DYNAMIC WORKLOADS A65-80002

CONTINUOUS RECORDING OF HEART RATE BY MEANS OF
PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH
A65-80008

ENZYME ACTIVITY AFTER CONTROLLED EXERCISE
A65-80022

CARBON DIOXIDE AND PULMONARY VENTILATION IN
MUSCULAR EXERCISE OF DOG A65-80071

HEART RATE USE FOR EVALUATING CARDIAC STRAIN
DURING TRAINING IN WOMEN A65-80074

OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY
TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE
EXERCISE A65-80077

OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD,
AND THERMONEUTRAL WATER A65-80078

VALIDITY OF PHONOARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE A65-80079

RADIATION RESISTANCE OF MICE AS AFFECTED BY
EXERCISE AND OXYGEN BREATHING A65-80132

WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE
AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE
OF RESTRAINT A65-80158

PHYSIOLOGY OF EXERCISE WITH EMPHASIS ON ATHLETIC
PERFORMANCE AND TRAINING A65-80179

INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON
METABOLISM OF ADIPOSE TISSUE IN RAT A65-80182

FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER
EXTREME PHYSICAL STRESS A65-80186

INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION A65-80198

PHYSICAL EXERCISE AND CARDIOVASCULAR HEALTH
A65-80202

ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK
CAPACITY AND ANTHROPOMETRIC MEASUREMENTS
OF MIDDLE-AGED MEN A65-80203

ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN A65-80204

BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION
A65-80205

AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF
EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION
OF NORMAL RHYTHM A65-80210

PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES A65-80221

PHYSICAL PERFORMANCE IN VARIOUS ATHLETIC

SUBJECT INDEX

PHYSICAL EXERCISE

- EVENTS AS AFFECTED BY ALTITUDE /7000 FT./
A65-80238
- ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL
A65-80260
- CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263
- VASCULAR TONE CHANGES OF VEINS IN
EXTREMITIES DURING SUPINE EXERCISE
A65-80271
- HUMAN NET OXYGEN COST IN HORIZONTAL AND GRADE
WALKING AND RUNNING ON TREADMILL
A65-80272
- RECTUM, LOWER ESOPHAGUS, AND TYMPANUM
TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM
OF SUBJECTS DURING REST AND WORK UNDER HOT AND
COLD ENVIRONMENTAL TEMPERATURES
A65-80276
- LUNG VOLUME AND VENTILATORY RESPONSE TO AIRWAY
OBSTRUCTION DURING TREADMILL EXERCISE - RELATION
TO OXYGEN CONSUMPTION
A65-80316
- FOOD INTAKE AND ENERGY EXPENDITURE IN SUBJECTS
ENGAGED IN PHYSICAL EXERCISE
A65-80318
- USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW
A65-80319
- VALIDITY OF CRAMPTON TEST IN APPRAISAL OF
CARDIOVASCULAR EFFICIENCY OF INDIVIDUAL
ENGAGED IN STRENUOUS PHYSICAL EXERCISE
A65-80320
- PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE
INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE
A65-80352
- AEROBIC WORK CAPACITY DURING EXERCISE
A65-80358
- OXYGEN COST OF WORK PERFORMED IN DIFFERENT
POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST
GRAVITY
A65-80384
- PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA
A65-80385
- PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION
IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP
A65-80401
- HEART MINUTE VOLUME AS QUADRATIC FUNCTION OF
OXYGEN UPTAKE IN NORMAL MEN DURING PHYSICAL
EXERCISE
A65-80403
- BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED
SUBJECTS AT REST AND DURING EXERCISE
A65-80455
- REACTION AND PHYSICAL PERFORMANCE CAPACITY OF MAN
AS AFFECTED BY CLIMATE
A65-80502
- MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK
A65-80513
- FOREARM POSITION VARIATION EFFECT ON ELBOW
FLECTION DURING CHINNING EXERCISE
A65-80521
- LOCAL MUSCULAR ENDURANCE AS AFFECTED BY RAISING
BODY TEMPERATURE THROUGH PHYSICAL ACTIVITY
A65-80523
- PRE-TENSED AND FREE-ARM SPEED AS AFFECTED BY
STRENGTH TRAINING
A65-80525
- PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY
TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT
TEMPERATURE
A65-80547
- CARDIAC FUNCTION DURING EXERCISE AS RELATED TO
DISEASE
A65-80555
- MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557
- CHANGES OF SERUM GLUTAMIC OXALACETIC TRANSAMINASE
ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
IN SUBJECTS WITH AND WITHOUT HEART DISEASE
A65-80577
- CHANGES OF SERUM GLUTAMIC-OXALACETIC TRANSAMINASE
AND SERUM LACTIC DEHYDROGENASE DURING PHYSICAL
EXERTION
A65-80621
- ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT
INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL
EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION
A65-80662
- CONTROLLED FREQUENCY BREATHING DURING MUSCULAR
EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS
TENSIONS
A65-80672
- INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS
A65-80673
- SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW
A65-80674
- OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES
OF MAN TO WORK IN HOT ENVIRONMENTS
A65-80675
- ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS
A65-80678
- SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING
SEVERE HEAT EXPOSURE
A65-80679
- PLASMA FREE FATTY ACID TURNOVER IN DOG DURING
EXERCISE AS RELATED TO PHYSICAL CONDITION AND
BLOOD LACTATE
A65-80680
- EXERCISE HYPERTHERMIA AND THERMOREGULATION IN MAN
A65-80691
- CIRCULATORY TIME AND HEART MINUTE VOLUME IN
HEALTHY YOUNG MEN DURING PHYSICAL STRESS
A65-80694
- MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS -
INTERPRETATION AND MODIFICATION ACCORDING TO AGE
AND TRAINING
A65-80695
- PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND
TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN
A65-80696
- OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY
ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT
ENVIRONMENT
A65-80705
- STARVATION IN NORMAL OBESE SUBJECTS PERFORMING
ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN
RELATION TO SURVIVAL
A65-80729
- UNDERWATER SWIMMING AND EFFECT ON RESPIRATION
DURING BREATHHOLDING
A65-80745
- SIGNS OF COMPENSATORY VENTILATION, TACHYPNEA AND
HYPERPNEA, AS RELATED TO PHYSICAL EXERCISE
A65-80819
- MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON
MONOXIDE AT REST AND DURING EXERCISE
A65-80821
- EFFECT OF PHYSICAL EXERCISE ON BLOOD SUGAR LEVEL
IN DOGS
A65-80833
- HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF
SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING
A65-80834

CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS
ORGANS AND PROTEIN METABOLISM DURING PHYSICAL
EXERCISE IN RATS A65-80836

KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884

FLIGHT AND PHYSICAL TRAINING FOR AIRCREWS
A65-80892

SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDHEMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897

PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM A65-80898

DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899

PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL
ACTIVITY IN HOT ENVIRONMENT AND RELATION TO
APPETITE AND BODY TEMPERATURE A65-80900

REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT
ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL
EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS
A65-80901

NEW ENVIRONMENTAL INDEX FOR EVALUATION OF
INFLUENCE OF WORK AND ENVIRONMENTAL CONDITIONS ON
THERMOREGULATION IN MAN A65-80903

HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS
PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING
DAY AND NIGHT IN DESERT ENVIRONMENT A65-80907

NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING
PERFORMANCE, BODY WEIGHT, MORTALITY, AND
ATHEROMATOSIS IN RATS A65-80936

INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE
METABOLISM IN HOT DRY REGION AS AFFECTED BY
PHYSICAL ACTIVITY A65-80952

HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING
PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING
WATER OF LOW SALT CONTENT A65-80955

SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER
CONDITIONS OF WORK IN HOT CLIMATE A65-80957

SODIUM AND POTASSIUM LOSSES THROUGH SWEATING
DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS
AND NATIVES A65-80959

SALT REQUIREMENTS OF ACCLIMATIZED PEOPLE
PERFORMING PHYSICAL EXERCISE IN TROPICS A65-80968

NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN
UNDER COMBINED RESTRICTION OF FOOD AND WATER
DURING EXERCISE IN AIR CONDITIONED ROOM A65-80969

ENERGY REQUIREMENTS OF MEN WORKING AND LIVING IN
EXTREME HEAT A65-80970

BLOOD LACTIC ACID IN BENGALI MALES LIVING IN
TROPICAL CLIMATE - EFFECT OF PHYSICAL EXERCISE
A65-80973

DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING
EXERCISE AND HYPOXIA A65-80990

FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS
A65-80991

DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT
A65-81071

HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING

EXERCISE A65-81084

SIGNIFICANCE OF ELECTROCARDIOGRAPHIC PATTERN FOR
ASSESSMENT OF DEGREE AND TYPE OF LEFT VENTRICULAR
HYPERTROPHY CORRELATION OF HEMODYNAMIC STATE TO
ELECTROCARDIOGRAM AT REST AND DURING WORK A65-81108

PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA A65-81120

HEMODYNAMIC RESPONSE OF LOWER EXTREMITIES TO
EXERCISE A65-81127

PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE
AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132

TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134

HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS A65-81135

BLOOD CLOTTING IN HUMANS AS AFFECTED BY PHYSICAL
EXERCISE IN COLD ENVIRONMENT A65-81141

GOXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN
DURING PHYSICAL EXERCISE A65-81143

INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS A65-81144

MANUAL DEXTERITY AND ARITHMETIC CALCULATION
CAPACITY DURING REST AND EXERCISE IN HYPERBARIC
AIR A65-81203

PHYSIOLOGY AND METABOLISM OF PHYSICAL EXERCISE
A65-81220

MUSCULAR PERFORMANCE IN MALE ATHLETE UNDER
INFLUENCE OF TWO PSYCHOSTIMULANT DRUGS A65-81228

RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE A65-81229

COMPARISON OF ELECTROCARDIOGRAMS OF SUBJECTS
PERFORMING WORK AND TRAINED ATHLETES A65-81257

RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER
ISOMETRIC AND DYNAMIC METHODS OF TRAINING A65-81269

WORK PULSE RATE AS INDICATOR OF PERSISTING MUSCLE
FATIGUE IN HUMANS A65-81270

RATE OF INCREASE OF STRENGTH THROUGH ISOMETRIC
TRAINING AS FUNCTION OF INITIAL RESTING LENGTH OF
MUSCLE IN MEN AND WOMEN A65-81271

PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294

INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPOIDS IN YOUNG MEN IN
ANTARCTICA A65-81308

REPRODUCIBILITY OF STEADY STATE CARBON MONOXIDE
DIFFUSION CAPACITY DATA DURING EXERCISE IN MAN
A65-81320

SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON
MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED
MEASUREMENTS OF PULMONARY CARBON MONOXIDE
DIFFUSION CAPACITY DURING EXERCISE IN MAN
A65-81321

HEART MINUTE VOLUME DURING PHYSICAL EXERCISE AS
INFLUENCED BY BODY SURFACE AREA AND AGE A65-81348

LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE DURING AND FOLLOWING PHYSICAL ACTIVITY

A65-81352

CIRCULATORY AND VENTILATORY RESPONSES TO POSTPRANDIAL EXERCISE

A65-81361

ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING MUSCULAR WORK IN NORMAL MEN

A65-81400

RELATIONSHIP BETWEEN MINUTE VENTILATION, PULMONARY GAS DIFFUSION AND RESPIRATORY WORK MEASURED SIMULTANEOUSLY DURING STANDARD EXERCISE TEST

A65-81413

MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY DISEASE

A65-81550

DEVELOPMENT OF ISOMETRIC STRENGTH AT DIFFERENT ANGLES WITHIN RANGE OF MOTION

A65-81568

ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT

A65-81602

BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS AND MUSCULAR EXERCISE

A65-81603

ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY OBSTRUCTION DURING REST AND EXERCISE

A65-81607

GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY

A65-81610

RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD FLOW, AND BODY TEMPERATURE IN WORK

A65-81631

VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT, COLD, EXERCISE, AND WATER DEPLETION

A65-81634

HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL SUBJECTS

A65-81668

NORMAL VALUES OF CARDIOVASCULAR FUNCTION DURING PHYSICAL EXERCISE - RELATIONSHIP OF PULSE RATE AND STROKE VOLUME TO CARDIAC MINUTE VOLUME IN NORMAL MALE ADULTS

A65-81689

VENOUS ADMIXTURE AND SIZE OF MORPHOLOGICAL SHUNTS DURING MODERATE EXERCISE

A65-81595

MATHEMATICAL EVALUATION OF OXYGEN CONSUMPTION DURING PHYSICAL EXERCISE AND RECOVERY

A65-81717

NATURE AND CAUSE OF HYPEREMIA AND OTHER CIRCULATORY RESPONSE TO PHYSICAL EXERCISE

A65-81720

BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT

A65-81771

BACKACHE IN AIRPLANE AND HELICOPTER FLYING PERSONNEL RESULTING FROM ACCIDENTS, INCREASING AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY

A65-81818

FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION OF HUMAN SUBJECT DURING EXERCISE

A65-81845

COORDINATION OF HEART AND RESPIRATORY RATES DURING PHYSIOLOGICAL WORK

A65-81853

RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS LACTATE IN MAN WITH PHYSICAL EXERCISE

A65-81904

FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS

A65-81909

HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE,

AIR VELOCITY, AND EXERCISE

A65-81914

ANABOLIC STEROID EFFECT ON PHYSICAL PERFORMANCE OF YOUNG MEN

A65-81919

NOMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN CONSUMPTION IN MAN DURING EXERCISE

A65-81920

EFFECT OF PHYSICAL EXERCISE ON URINARY EXCRETION OF ELECTROLYTES IN HUMANS

A65-81941

EFFECT OF PHYSICAL EXERCISE ON BLOOD PLASMA LEVEL OF 17-HYDROXYCORTICOSTEROIDS IN MAN

A65-81955

METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED SUITS EXERCISING IN HIGH ALTITUDE CHAMBER

A65-81965

MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING PHYSICAL EXERCISE

A65-82053

COMPETITION BETWEEN METABOLIC VASODILATION DURING PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION IN SKELETAL MUSCLE IN CAT

A65-82066

POTASSIUM ION AS VASODILATOR DURING MUSCULAR EXERCISE IN CATS.

A65-82067

NATURE AND CAUSE OF MUSCULAR HYPEREMIA DURING PHYSICAL EXERCISE IN CATS

A65-82069

SIMPLIFIED TECHNIQUE FOR OFFICE EXERCISE ELECTROCARDIOGRAPHY

A65-82102

RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN DOG DURING CHANGE FROM SUPINE TO ERECT POSITION AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING WEIGHTLESSNESS SIMULATION

A65-82115

PERFORMANCE AND RUNNING TIME OF ATHLETES AT ALTITUDE AND SEA LEVEL

A65-82144

PULMONARY COMPLIANCE AND NONELASTIC RESISTANCE OF HUMAN SUBJECT DURING TREADMILL EXERCISE

A65-82151

CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE

A65-82164

CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID, CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT DIFFERENT LOADS

A65-82165

EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE

A65-82166

FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT

A65-82167

MEASURING CARDIAC OUTPUT OF EXERCISING SUBJECTS WITH SMALL, LIGHTWEIGHT PRECORDIAL COUNTER FOR 1125 ALBUMEN

A65-82171

PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF HUMAN SUBJECT DURING FASTING AND EXERCISE

A65-82189

ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE WITH CIRCULATORY DISTURBANCES INFLUENCED BY BEDREST AND EXERCISE

A65-82214

RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION WITH OR WITHOUT OXYGEN BREATHING

A65-82220

CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL

A65-82250

HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT REST AND UNDER THE INFLUENCE OF EXERCISE, ISOPROTERENOL, AND ATROPINE

A65-82254

- HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL EXERCISE A65-82302
- MEASUREMENT OF MUSCLE OXYGEN CONSUMPTION DURING STATIC INTERMITTENT AND DYNAMIC WORK BY OPEN CIRCUIT METHOD A65-82314
- CARDIAC OUTPUT DURING REST AND PHYSICAL EXERCISE IN MAN RELATED TO DIFFERENT TEST METHODS A65-82324
- EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR VOLUME AND OXYGEN CONSUMPTION IN MAN A65-82326
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS BED REST AND PHYSICAL EXERCISE A65-82367
- ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD PRESSURE, AND NET OXYGEN COST NASA-CR-59419 N65-10119
- SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS ON CIRCULATION AND METABOLISM OF HUMAN BODY AT PROLONGED BED REST AMRL-TDR-64-61 N65-12131
- INDIVIDUAL DIFFERENCES IN ACROBATIC ACTIVITY - CONSIDERATIONS IN TEACHING AND TRAINING EXERCISES JPRS-28276 N65-14710
- COMPUTER CALCULATIONS FOR INTERPRETATION OF ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS FROM EXERCISE TESTS ON AVIATORS REPT.-3 N65-15277
- CARDIAC AND VENTILATORY RESPONSE TO BICYCLE ERGOMETER TEST NASA-CR-177 N65-20472
- EXERCISE STIMULATION IN WARM AND COLD ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION EFFECTS ON SWEATING RATE AD-446902 N65-21879
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY PERSONNEL - HEART RATE CURVES DURING EXERCISE, RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS NSAM-890 N65-24810
- PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT AND TO INCREASE STABILITY UNDER WEIGHTLESSNESS JPRS-30111 N65-25600
- PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT N65-25601
- CYBERNETICS FOR CONTROL OF PHYSICAL TRAINING JPRS-30754 N65-26966
- PHYSICAL FACTOR**
FLICKER PROBLEMS AS RELATED TO PHYSICS, ELECTRONICS, CELLULAR PHYSIOLOGY, ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY A65-80767
- PHYSICAL AND EMOTIONAL TRAINING OF SOVIET COSMONAUTS JPRS-31250 N65-29011
- PHYSICAL FITNESS**
SA FLIGHT FITNESS
SA MUSCULAR STRENGTH
EVALUATION AND PREDICTION OF PHYSICAL FITNESS IN MEN OF DIFFERENT AGES USING MODIFIED APPARATUS OF HARVARD STEP TEST A65-80209
- BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED SUBJECTS AT REST AND DURING EXERCISE A65-80455
- HYPOXIA AS ANTI-PHYSICAL DECONDITIONING FACTOR FOR MANNED SPACE FLIGHT A65-80579
- PLASMA FREE FATTY ACID TURNOVER IN DOG DURING EXERCISE AS RELATED TO PHYSICAL CONDITION AND BLOOD LACTATE A65-80680
- PEAK OXYGEN INTAKE DURING PHYSICAL FITNESS PROGRAM FOR MIDDLE-AGED MEN A65-80732
- MUSCLE CRAMPS INVESTIGATED IN EIGHTEEN YEAR OLD AVIATION CADETS AND RELATION TO JOINT TRAUMA A65-80978
- PHYSICAL FITNESS AND PILOT SELECTION IN CIVIL AVIATION A65-81370
- GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY A65-81610
- BIOCHEMICAL DATA CORRELATION IN HARVARD STEP-UP FUNCTION TEST AS INDICATIVE OF PHYSICAL FITNESS A65-81719
- SICKNESSES AND PHYSICAL FITNESS OF AVIATION PERSONNEL A65-81781
- HISTORICAL REVIEW AND CURRENT PROBLEMS IN MONITORING HEALTH OF ASTRONAUTS A65-81835
- DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS FROM FACTOR ANALYSIS RESULTS A65-81913
- SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS FUNCTION OF MAINTAINING SPACE CREW PHYSICAL FITNESS A65-81966
- PHYSICAL PERFORMANCE OF NAVAL AVIATOR TRAINEES FROM VARIOUS PROCUREMENT SOURCES AS RELATED TO DURATION OF TRAINING SYLLABUS A65-82117
- PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS OF LIMITED MOTOR ACTIVITY N65-13693
- VALUE OF PHYSICAL FITNESS IN PRESERVING MENTAL, MOTOR, AND AUTONOMIC STABILITY IN PREPARATION AND EXECUTION OF EXTENDED SPACE FLIGHTS N65-13714
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY PERSONNEL - HEART RATE CURVES DURING EXERCISE, RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS NSAM-890 N65-24810
- PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL DEVICE JPRS-31374 N65-29832
- WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS NASA-TT-F-9536 N65-32876
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS IN ORBITAL FLIGHT NASA-TT-F-9593 N65-36752
- PHYSICAL PROPERTY**
PHYSICAL PROPERTY OF MAGNETIC AND GEOMAGNETIC FIELDS AND RESPONSES OF BIOLOGICAL SPECIMEN A65-80410
- PROBLEMS REGARDING CHEMICAL COMPOSITION AND PHYSICAL PROPERTY OF VENUS ATMOSPHERE A65-80868
- MARS ATMOSPHERE PROBLEMS RELATED TO CHEMICAL COMPOSITION AND PHYSICAL PROPERTY A65-80869
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES A65-80927
- PHYSICAL WORK**
PHYSICAL WORK PERFORMANCE AS AFFECTED BY ENVIRONMENTAL CONDITIONS A65-80321
- CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,

SUBJECT INDEX

PHYSIOLOGICAL INDEX

- DURING PHYSICAL WORK, AND DURING RECOVERY
A65-80451
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD BICARBONATE AND BASE EXCESS IN HUMAN CORONARY VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL WORK
A65-80452
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN DIFFERENT WORK CONDITIONS
A65-80453
- INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF BREATHING
A65-81274
- ENERGY COST AND OXYGEN CONSUMPTION OF ALTERNATING POSITIVE AND NEGATIVE WORK
A65-81507
- STEP-TEST FOR INDUCING MAXIMAL WORK FOR DETERMINING OXYGEN CONSUMPTION
A65-81552
- PHYSICAL AND PSYCHIC EFFORTS OF HUMAN OPERATORS IN ADAPTIVE OPTIMIZATION OF DYNAMIC SYSTEMS
N65-17645
- PHYSICIAN
EVALUATION OF PHYSIOLOGICAL SYNCOPE IN AVIATION PERSONNEL
A65-80147
- AIRPORT ACCIDENT EVALUATION OFFERS CHALLENGE TO COMMUNITY PHYSICIAN
A65-81298
- PHYSICS /GEN/
SA BIOPHYSICS
SA ELECTRONICS
SA MOLECULAR PHYSICS
SA PSYCHOPHYSICS
- SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY, PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY
JPRS-29292
N65-21236
- NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL, PHYSICAL AND CHEMICAL MATTER, AND PHYSICS, CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND METHODS IN EXPLORING LIFE PHENOMENA
JPRS-29864
N65-23144
- PHYSIOCHEMISTRY
SA BIOCHEMISTRY
- ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND ALGAE SYSTEMS
P-3009
N65-16517
- PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE ELECTRIC CONDUCTIVITY
JPRS-28782
N65-17025
- PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL THERMODYNAMICS
JPRS-28949
N65-17978
- PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT PROTECTION AND APPLICATION OF PHYSIOCHEMICAL ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1&2&3&4
N65-28531
- EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL PROPERTIES OF ANIMAL BLOOD
N65-28701
- MATHEMATICAL MODEL USED TO EXAMINE PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS IN WHICH HUMAN BODY CONTROLS FLUID AND ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR
N65-31199
- PHYSIOLOGICAL ACCELERATION
PHYSIOLOGICAL MECHANICAL EFFECT OF ACCELERATIONS ON HUMANS WORKING IN ROTATING ENVIRONMENT
R-63
N65-20565
- HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN
N65-33630
- PHYSIOLOGICAL DEFENSE
COMBINED EFFECTS OF VIBRATION AND RADIATION ON FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX ARC
N65-31385
- PHYSIOLOGICAL FACTOR
SHIP-BASED RADAR AND ASPECTS OF HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS RELATING TO RADAR CONSTRUCTION AND PERFORMANCE
A65-30136
- DISTURBANCE IN DAILY ROUTINE AND EFFECT ON PROFESSIONAL WORKING CAPACITY OF MAN
A65-80047
- PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL THERMODYNAMICS
JPRS-28949
N65-17978
- PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED WITH HEART FUNCTION IN MAN AND DOGS
NASA-CR-57145
N65-18490
- PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT UNDER SPACE AND TIME LIMITATIONS
NAEC-ACEL-527
N65-21059
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY
NASA-TT-F-9426
N65-27712
- PERCEPTION OF AUDITORY PATTERNS AS FUNCTION OF INCIDENTAL VISUAL STIMULATION
TR-21
N65-28173
- ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF HEMODYNAMIC AND METABOLIC PARAMETERS DURING PROLONGED WEIGHTLESSNESS
NASA-CR-63915
N65-29147
- PHYSIOLOGY OF THIRST AND DRINKING - DEHYDRATION LAG IN MAN AND RAT
NASA-TM-X-51938
N65-29471
- ANATOMICAL AND PHYSIOLOGICAL SCHEMA OF GASTROINTESTINAL TRACT FOR DETERMINATION OF RADIOACTIVE CONTAMINATION LEVELS
CEA-R-2413
N65-32989
- PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES - MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON EARTH
N65-33629
- PHYSIOLOGICAL INDEX
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER RADIATION HUMAN EYE CAN ABSORB
A65-12397
- HEART RATE USE FOR EVALUATING CARDIAC STRAIN DURING TRAINING IN WOMEN
A65-80074
- URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN
A65-80252
- ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL POTENTIALS IN MAN AS INDICATORS OF ACTIVATION LEVEL
A65-80260
- USE OF PHYSIOLOGICAL TEST FOR HYPOXIA ACCOMMODATION AND ACCELERATION STRESS TOLERANCE IN AIRCREW
A65-80319
- VALIDITY OF CRAMPTON TEST IN APPRAISAL OF CARDIOVASCULAR EFFICIENCY OF INDIVIDUAL ENGAGED IN STRENUOUS PHYSICAL EXERCISE
A65-80320
- ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT
A65-80520
- VIGILANCE TASK PERFORMANCE AND INDICES OF PHYSIOLOGICAL AROUSAL
A65-80560
- PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH TEMPERATURES IN MAN
A65-80848
- BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF

PHYSIOLOGICAL PHENOMENON

SUBJECT INDEX

- DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877
- RESISTANCE CHANGES IN HUMAN BODY, PARTICULARLY IN
LOWER EXTREMITIES AS RESULT OF G LOADS A65-81112
- DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198
- PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN A65-81248
- PULMONARY DIFFUSING CAPACITY AS PHYSIOLOGICAL
INDEX DETERMINED BY SPIROGRAPHIC METHOD USING
CARBON MONOXIDE AND HELIUM A65-81477
- DIAGNOSTIC BATTERY OF INDICES OF PULMONARY
FUNCTION PROPOSED FOR PHYSICAL EXAMINATION OF
PILOTS A65-81488
- DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398
- EVALUATION OF GENERAL PHYSICAL CONDITION OF
GEMINI IV FLIGHT CREW WITH INCREASING TIME
UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF
CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD N65-36104
- PHYSIOLOGICAL PHENOMENON**
- SIMULATION OF ACCELERATION STRESS ENCOUNTERED IN
MANNED SPACECRAFT DURING LAUNCH, RECOVERY AND
ABORT MANEUVERS A65-10723
- MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL
PHENOMENA IN CARDIAC TISSUE A65-10724
- AERONAUTICAL APPLICATION OF RESPIRATORY AND
CARDIOVASCULAR FUNCTIONAL EVALUATION TESTS A65-12883
- CESIUM IONS DO NOT PASS-MEMBRANE OF GIANT AXON
A65-14831
- NEUROPHYSIOLOGICAL DATA TREATED MATHEMATICALLY BY
COMPUTER-TAPE RECORDING SYSTEM IN BRAIN RESEARCH
INSTITUTE A65-16467
- DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268
- PHYSIOLOGY OF AUTONOMIC NERVOUS SYSTEM AND
CEREBELLUM A65-80646
- DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA,
INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING
ANIMALS AS RELATED TO BODY TEMPERATURE A65-81469
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL
PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS
AND MAN A65-81636
- PHYSIOLOGICAL RESPONSE**
- SA BIOLOGICAL EFFECT
- SA PATHOLOGICAL EFFECT
- OPTIMIZATION LOGISTICS PLANNING FOR IN FLIGHT
PHYSIOLOGICAL EXPERIMENTS DURING MANNED SPACE
FLIGHT A65-10540
- BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT A65-10544
- MONITORING TECHNIQUES FOR DETERMINING
PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS
ON HUMAN PERFORMANCE A65-10694
- ANNUAL ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM
AT U. S. AIR FORCE ACADEMY ON MAY 4 TO 5,
1964 A65-10722
- ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL
- SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE
LANDING IMPACT A65-10732
- AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING
EAR AS CAUSE OF INSTABILITY A65-10738
- DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE
CONCENTRATION OF FLATUS PRODUCED IN MAN A65-10744
- CARBON DIOXIDE EXCRETION DURING CONTROLLED
ALVEOLAR HYPERVENTILATION TO SHOW CORRELATION OF
ELECTROENCEPHALOGRAPHIC AND ELECTROMYOGRAPHIC
DISTURBANCES TO IN FLIGHT DISTURBANCES A65-11129
- LIFE SUPPORT SYSTEM RESEARCH FOR PHYSIOLOGICAL
STRESSES ENCOUNTERED BY NAVY AND MARINE
PERSONNEL A65-11787
- SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC
IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE
FLIGHTS A65-12081
- CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS
DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT
AMBIENT ENVIRONMENT A65-12527
- PHYSIOLOGICAL RESPONSES OF MAN TO SPACE
ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO
SUPPORT LIFE A65-12543
- PHYSIOLOGICAL REACTIONS TO PROLONGED
WEIGHTLESSNESS, EXAMINING PROJECT MERCURY
OBSERVATIONS A65-12544
- MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED
WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS
AMPLIFICATION A65-13397
- HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO
SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY
POSITIONS AND CONFIGURATIONS A65-14223
- SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL
CHARACTER AND ENERGY LEVEL A65-14231
- AVIATION PERSONNEL SYNCOPE EVALUATED, CONSIDERING
PHYSIOLOGICAL CAUSES AND HYPERSENSITIVE RESPONSES A65-14239
- HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE
NUCLEAR DETONATIONS A65-14240
- HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN
CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS A65-14383
- FATAL PHYSIOLOGICAL EFFECTS IN MICE DURING LONG
EXPOSURE TO HIGHLY OXYGENATED ENVIRONMENT A65-14384
- COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY
TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL
CHANGES A65-14574
- INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING
PHYSIOLOGICAL SUITABILITY AND ENGINEERING
CONSTRAINTS A65-14576
- PROLONGED BED REST EFFECT ON TOLERANCE OF
TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART
BEATS AND VISION A65-16555
- PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
PARABOLIC CURVE A65-16618
- EFFECT OF LARGE DOSE OF RESERPINE GIVEN
INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-
GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372
- PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS
IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT
WITH ATTENTION TO TFX TYPE AIRCRAFT A65-18428

SUBJECT INDEX

PHYSIOLOGICAL RESPONSE

BIOLOGICAL EFFECTS OF ATMOSPHERIC IONS WITH
ATTENTION TO EXPERIMENTAL CONTROLS AND
INSTRUMENTATION A65-18432

PAPERS ON BIOLOGICAL ACTION OF ULTRASOUND AND UHF
ELECTROMAGNETIC OSCILLATIONS A65-20933

BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON
ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF
MICROWAVE FIELD AND HEATING PATTERNS A65-20934

MICROWAVE IRRADIATION EFFECT ON BREEDING,
PERIPHERAL BLOOD COMPOSITION, CONDITIONED REFLEX
ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS OF
WHITE MICE A65-20935

RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
RATS A65-20937

PROLONGED BED REST USED TO SIMULATE PHYSIOLOGICAL
EFFECTS OF PROLONGED SPACE FLIGHT FOR DETERMINING
DECONDITIONING REQUIREMENTS A65-22169
AIAA PAPER 65-281

X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING
BIOINSTRUMENTATION AND TELEMETRY, PRESSURE SUIT
DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT
PERFORMANCE A65-22688

OXYGEN DEFICIENCY INDUCED SYMPTOMS IN AIRCRAFT
PERSONNEL AND PARACHUTE JUMPERS AT DIFFERENT
ALTITUDES A65-22759

HUMAN REACTIONS TO SONIC BOOM, EXAMINING
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS AND
PROPERTY DAMAGE A65-24071

SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097

BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MGN TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098

PHYSICAL RISK AND RESPONSIBILITY FOR MISSION AS
FACTORS IN MODULATING HEART RATE IN TEST PILOTS
A65-26167

EFFECT OF ISOLATION FROM EXTERNAL TIME CUES ON
HUMAN CIRCADIAN RHYTHMS SUCH AS BODY TEMPERATURE,
SLEEPING PERIOD, PASSAGE OF TIME ESTIMATION AND
URINE EXCRETION A65-26527

INTERRELATIONS BETWEEN PHYSIOLOGICAL, BEHAVIORAL
AND SUBJECTIVE REACTIONS TO STRESS A65-26743

BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION,
EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY
AND DIELECTRIC LOSSES DUE TO POLARIZATION
RELAXATION IN WATER MOLECULES A65-29938

WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947

WATER IMMERSION EFFECT ON HUMAN BODY IN
WEIGHTLESSNESS SIMULATION, NOTING THORACIC
PRESSURE GRADIENT A65-30349

HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480

U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE
A65-30672

VOSTOK V AND VI BIOLOGICAL EXPERIMENTS
CONCERNING COSMIC RADIATION EFFECTS ON GENETIC
CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT
FLIES A65-30689

CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF

PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND
WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS
A65-30690

N ASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL,
EVOLUTIONARY AND GENETIC EFFECTS OF
WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH
ROTATION A65-30692

BIOLOGICAL EFFECT OF WEIGHTLESSNESS AND
ACCELERATION EXPERIENCED IN SPACE FLIGHT
A65-30693

PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF
OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS
OF LABORATORY /CENTRIFUGE/ TESTS A65-34947

SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS A65-35816

BIOCHEMICAL ALTERATIONS OCCURRING DURING
PHYSIOLOGICAL REACTIONS OF SKIN FOLLOWING EXPOSURE
TO ULTRAVIOLET RAYS A65-80056

CARDIOVASCULAR RESPONSES MEDIATED BY
SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80075

WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND
SECONDARY PHYSIOLOGICAL RESPONSE IN MAN
A65-80088

NEW PHENOTHIAZINE TRANQUILIZER, FLUPHENAZINE -
EFFECTS ON REACTION TIME AND TOTAL RESPONSE
TIME A65-80118

MEDICOPHYSIOLOGICAL ASPECTS OF COMMERCIAL
SUPERSONIC FLIGHT A65-80123

EVALUATION OF PHYSIOLOGICAL SYNCOPE IN AVIATION
PERSONNEL A65-80147

HEART FUNCTION UNDER HYPOXIA AT HIGH ALTITUDE AND
RELATED PROBLEMS OF BLOOD AND PULMONARY RESPONSE
A65-80208

ANATOMICAL AND PHYSIOPATHOLOGICAL EFFECTS
OF EXPLOSIVE DECOMPRESSION WITH
ETIOPATHOGENIC INTERPRETATION - REVIEW
A65-80218

ULTRAVIOLET RADIATION EFFECT ON HUMAN
CELLULAR RESPONSES CORRELATED TO
ULTRASTRUCTURAL CHANGES A65-80224

ANALYSIS OF HUMAN ELECTRONYSTAGMOGRAM AND
EVALUATION OF VESTIBULAR APPARATUS FUNCTION
A65-80226

RESPIRATORY RESPONSE OF MAN TO HYPOXIA
A65-80357

COMPARISON OF CHRONIC HYPOXIA OF ALTITUDE AND THAT
PRODUCED BY RIGHT TO LEFT CIRCULATORY SHUNTS
A65-80359

GENERAL ADVERSE EFFECTS AND VARIOUS PHYSIOLOGICAL
RESPONSES OF OXYGEN AT HIGH TENSION - A REVIEW
A65-80364

POSTERIOANTERIAL TRANSVERSE ACCELERATION OF
MAXIMAL DURATION A65-80393

PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON
BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND
VARIOUS ORGANS IN RATS A65-80394

BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397

EFFECT OF INCLINED POSITIVE ACCELERATION ON
HUMAN EXTERNAL RESPIRATION A65-80398

PHYSIOLOGICAL AND METABOLIC RESPONSE TO
HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS
A65-80407

- PHYSICAL PROPERTY OF MAGNETIC AND GEOMAGNETIC
FIELDS AND RESPONSES OF BIOLOGICAL SPECIMEN
A65-80410
- SIMPLE THEORETICAL MODELS FOR MAGNETIC
INTERACTIONS WITH BIOLOGICAL UNITS
A65-80411
- OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM
EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY
CHANGING POSITIONS OF ASTRONAUTS AND USING
INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS
A65-80412
- MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL
A65-80424
- BIBLIOGRAPHY OF BIOLOGICAL EFFECT OF STATIC AND
EARTH MAGNETIC FIELDS AS RELATED TO LIVING TISSUE
AND CLINICAL APPLICATION
A65-80434
- MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA
MELANOGASTER, AND S-37 MOUSE TUMOR CELLS
A65-80462
- PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS
IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT
A65-80533
- DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD
ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION
A65-80537
- RADIATION LOAD BY DIRECT SUN RADIATION AND
SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING
PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY
A65-80909
- COMPARISON OF FREE-MOVING AND PRESSURE LEVERS IN
POSITIONAL CONTROL SYSTEM DURING PURSUIT TRACKING
TASK
A65-80943
- PHYSIOLOGICAL EFFECT OF WEIGHTLESSNESS ON HUMAN
ORGANISM
A65-80980
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE
AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132
- PHYSIOLOGICAL RESPONSE TO HYPOXIA
A65-81180
- EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS
A65-81197
- PHYSIOLOGICAL RESPONSES DURING FIRST SOVIET
SPACECRAFT RENDEZVOUS IN FLIGHT
A65-81301
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT
A65-81325
- LINEARIZATION OF EVOKED RESPONSES OF CEREBRAL
CORTEX TO SINE WAVE-MODULATED LIGHT BY NOISE
A65-81346
- CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF
DIFFERENT RADIO-FREQUENCY BANDS
A65-81371
- CHANGES IN SEBACEOUS GLAND FUNCTION OF INDUSTRIAL
WORKERS USING ACETONE, GASOLINE AND WHITE SPIRIT
A65-81372
- FIRST COSMIC EXPEDITION- BIOMEDICAL RESEARCH ON
ASTRONAUT RESPONSE
A65-81486
- TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF
MECHANICAL QUANTITIES IN PHYSIOLOGICAL
INVESTIGATIONS
FTD-TT-63-1192/1&4
N65-10284
- ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277
N65-10303
- PHYSIOLOGICAL REACTIONS OF HUMAN ORGANISM TO
TRANSVERSE ACCELERATIONS AND MEANS OF RAISING
HUMAN TOLERANCE TO SUCH FORCES
NASA-TT-F-274
N65-10315
- REGULAR CHANGES OF CANINE PHYSIOLOGICAL RESPONSE
UNDER CUMULATIVE SLOW CENTRIPETAL ACCELERATION
FTD-MT-63-179
N65-11618
- EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819
N65-12662
- INCREASING RESISTANCE FOR PROTECTION AGAINST
PHYSIOLOGICAL HAZARDS IN FLIGHT
N65-13646
- PHYSIOLOGICAL REACTIONS IN WEIGHTLESSNESS
N65-13777
- HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSED
IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139
N65-15558
- VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING
TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT
THERMAL ENVIRONMENT
AECL-2123
N65-15634
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE
RADIATION ON HIBERNATORS
NASA-CR-50546
N65-17058
- PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW
TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND
POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/1&2
N65-17083
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS,
MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING
SUBORBITAL AND ORBITAL FLIGHT
NASA-TT-F-305
N65-17465
- LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST
NASA-CR-171
N65-17876
- PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION
IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS
NADC-ML-6413
N65-18881
- PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF
AUTOMATIC RESPIRATORS
HDL-TM-64-23
N65-19416
- DECISION PROCESS, AND PHYSIOLOGICAL RESPONSE
SYSTEMS USED IN LIE DETECTION - INTERPRETATION
OF POLYGRAPHIC DATA
RADC-TDR-64-101
N65-19993
- BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182
N65-20474
- MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY
COMPUTER, GAS EXCHANGE DURING RADIATION
SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC
ENVIRONMENT
JPRS-29788
N65-22728
- PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT
N65-22731
- PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS
ENTEROTOXIN - ANIMAL STUDY
N65-22747
- RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED
NORADRENALINE AND ACUTE BODY COOLING -
CALORIGENIC EFFECTS OF NORADRENALIN
AAL-TR-64-21
N65-24080
- STABILITY OF TEMPERATURE REACTION AND CHANGES IN
OXIDATION PROCESSES DURING CHILLING IN HUMANS
ADAPTED AND NOT ADAPTED TO COLD
N65-24940

SUBJECT INDEX

PHYSIOLOGICAL TELEMETRY

PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS
AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD
II FLIGHTS N65-26230

PHYSIOLOGICAL RESPONSE TO SPACE FLIGHT - PARABOLIC
FLIGHT, CARDIOVASCULAR DIURNAL RHYTHM, EYE
ACTIVITY, AND EFFECTS OF ANGULAR AND CORIOLIS
ACCELERATION JPRS-30859 N65-26917

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT N65-26918

PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS
ACCELERATIONS N65-26921

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS
JPRS-30893 N65-27809

PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642

CARDIOVASCULAR AND PSYCHOGALVANIC SKIN
RESPONSE MONITORING DEVICES - ELECTRONIC
MICROINSTRUMENTATION IN DENTISTRY
SAM-TR-64-90 N65-30496

PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF X-RAY
IRRADIATED DOGS TO INDUCED MUSCULAR CONTRACTIONS
OF HIND LEGS IN VIVO TID-20979, ADDEND. N65-30567

SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING
RADIATION, RADIAL ACCELERATION, VERTICAL
VIBRATION, AND PROLONGED ACCELERATION ON
PHYSIOLOGICAL RESPONSE IN ANIMALS
NASA-TT-F-354 N65-31375

PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS
DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514

RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION
STRESSES NASA-CR-236 N65-32926

INVESTIGATION OF PRESENCE OR ABSENCE OF VISION
DURING INVOLUNTARY SACCADIC EYE MOVEMENTS
UNDER CONDITIONS OF NORMAL STEADY FIXATION
AD-617409 N65-33012

EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT NASA-CR-175 N65-33542

MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679

TELESTIMULATOR SYSTEMS FOR OBSERVATION OF
PHYSIOLOGICAL RESPONSES OF SUBJECTS RECEIVING
ELECTRIC STIMULATION OF BRAIN N65-34005

ADAPTATION TO VESTIBULAR DISORIENTATION -
NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY
ANGULAR ACCELERATION AM-65-24 N65-34303

PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO
G FORCES - REACTIONS OF CARDIOVASCULAR AND
RESPIRATORY SYSTEMS OF COSMONAUTS UNDER
CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958 N65-34775

CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS N65-34776

BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
PHYSIOLOGICAL PROCESSES IN GERMINATION AND
SPROUTING OF SEEDS OF HIGHER PLANT LIFE N65-34941

CORRELATION OF ELECTRIC AND MECHANICAL
ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND
PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW
MEMBERS N65-36105

BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY N65-36106

THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION
NASA-CR-67539 N65-36425

PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS
UNDER SPACE FLIGHT CONDITIONS NASA-TT-F-9597 N65-36756

PHYSIOLOGICAL TELEMETRY
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR
RECORDING BIOELECTRICAL DATA, FORCE AND
DISPLACEMENT A65-10546

AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547

BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS
UNDER REAL AND SIMULATED FLIGHT CONDITIONS A65-10725

BIOMEDICAL INSTRUMENTATION USING SQUEGGING
OSCILLATOR FOR LOW POWER DIGITAL TELEMETRY A65-10741

GEMINI FLIGHT MEDICAL PROGRAM TO PREPARE
ASTRONAUTS FOR EXTRAVEHICULAR ACTIVITY IN ORBIT
A65-20240

GEMINI BIOINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM
IN FLIGHT A65-21499

CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION
SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON
TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE
FLIGHT SIMULATORS A65-23199

COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS A65-24193

TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN
SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING
SOLID STATE AMPLIFIERS A65-24200

PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES
RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL
OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES
INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE
A65-24201

TELEMETRIC UNIVERSAL SENSOR / TELUS/ FOR
MONITORING ELECTRICAL OR ELECTROMAGNETIC OUTPUTS
FROM FIELD SENSING INSTRUMENTS A65-24202

BIOMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE
FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION,
NOTING EKG AND EEG APPLICATION A65-24203

PHYSIOLOGICAL PARAMETER RESEARCH AND
INSTRUMENTATION DEVELOPMENT PHASES OF LONG RANGE
PROGRAM FOR IN-FLIGHT MONITORING IN FLIGHT
ENVIRONMENT A65-26166

MEDICAL EXAMINATION OF VOSKHOD SPACE SHIP
COSMONAUTS, USING BIOTELEMETRIC SYSTEMS AND
ONBOARD INSTRUMENTS A65-29941

PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE
FLIGHT PROGRAM BASED ON PROJECT MERURY AND
GEMINI MISSIONS A65-31105

VOSTOK SATELLITE PHYSIOLOGICAL TELEMETRY DURING
INTERPLANETARY FLIGHT, CONSIDERING BIOLOGICAL
CONTROL AND INFORMATION TRANSMISSION TO EARTH AND
MEDICAL INVESTIGATIONS BY CODING A65-32301

ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA
ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING
PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW
MEASUREMENTS A65-33281

PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS A65-36232

SYSTEMS OF BIOLOGICAL TELEMETRY AS APPLIED TO
BEHAVIORAL, PHYSIOLOGICAL AND MEDICAL RESEARCH
A65-80011

DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268

TELEMETRIC DEVICES FOR STUDY AND CONTROL OF
PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET
SPACE MISSIONS A65-80333

TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFARCTION A65-80588

TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE
A65-80609

TELEMETERING HYPOTHALAMIC TEMPERATURES OF
UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT
ENVIRONMENTS A65-80682

BIOTELEMETRY IN MEDICINE - DESCRIPTION OF NEW
TELEMETERED ELECTROCARDIOGRAPH A65-80840

MEDICAL SUPERVISION OF CREW MEMBERS AND BIOLOGICAL
ENVIRONMENT DURING SOVIET THREE-MAN SPACE FLIGHT
IN VOSKHOD I SPACECRAFT A65-80983

BIOINSTRUMENTATION AND TELEMETRIC METHODS FOR
MONITORING PHYSIOLOGICAL FUNCTIONS IN MAN AND
ANIMALS A65-81048

DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS
FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051

ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS
A65-81054

PROBLEM OF USING ELECTRODES WITH
ELECTROCARDIOGRAPH RADIO CAPSULES
A65-81055

PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND
RESPIRATORY DATA A65-81056

PROGRESS REPORT ON RADIO TELEMETRY FROM INSIDE
BODY A65-81057

BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES A65-81156

CLINICAL APPLICATION OF TELEMETERING METHOD OF
PHYSIOLOGICAL DATA A65-81193

TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART
FUNCTIONS AND RESPIRATION A65-81208

INTERHOSPITAL PHYSIOLOGICAL MONITORING SYSTEM AS
RELATED TO TELEMETRY A65-81284

TELUS- TELEMETRIC UNIVERSAL SENSOR FOR SPACE AND
TERRESTRIAL USE BY RECEIVING, STORING, AND SENDING
TELEMETERED DATA A65-81311

MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY
A65-81312

PHYSIOLOGICAL TELEMETRY AND PROCESSING OF MEDICAL,
ZOOLOGICAL AND BIOASTRONAUTICAL DATA
A65-81314

PROBLEMS IN DATA TRANSMISSION BY TELEMETRY OF
BIOLOGICAL INFORMATION COLLECTED IN EXPERIMENTS
WITH 50-FT. HUMAN CENTRIFUGE A65-81356

ANALOG AND DIGITAL COMPUTER SIMULATION OF
CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS
A65-81357

TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS
A65-81358

MONITORING OF PILOT HEART RATE BY MULTI-CHANNEL
TELEMETRY DURING JET FLIGHT A65-81436

CONTINUOUS TELEMETRIC MEASUREMENTS OF BIOLOGICAL
RHYTHMS IN UNRESTRAINED ARCTIC GROUND SQUIRRELS
/CITELLUS PARRYI/ A65-81459

HISTORICAL REVIEW AND CURRENT PROBLEMS IN
MONITORING HEALTH OF ASTRONAUTS
A65-81835

RECORDING OF PHYSIOLOGICAL FUNCTIONS DURING
INTERPLANETARY FLIGHTS, MEDICAL SUPPORT AND
BIOTELEMETRY A65-82076

RADIO TELEMETRIC STUDIES IN MEDICINE AND
PHYSIOLOGY
JPRS-27600 N65-12732

BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733

PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT N65-12734

TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION N65-12735

PHYSIOLOGICAL TELEMETRY ON MANNED SPACE FLIGHTS
N65-13630

BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT N65-16605

PULSE DURATION MODULATION SYSTEM FOR LIFE SCIENCE
TELEMETRY N65-16622

VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMETRY
AMRL-TR-64-124 N65-17230

RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE -
AEROSPACE MEDICINE
JPRS-30528 N65-25540

SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS
FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING
ENVIRONMENTAL FACTORS
AD-612908 N65-26003

PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY
DURING ORBITAL SPACE FLIGHT N65-26920

BIOGOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678

ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT
MONITORING
SAM-TR-65-18 N65-34266

PHYSIOLOGY

SA BODY COMPOSITION /BIOL/
SA ENDOCRINE SYSTEM
SA FLIGHT FATIGUE
SA GASTROINTESTINAL SYSTEM
SA HOMEOSTASIS
SA HUMAN BODY
SA METABOLISM
SA NEUROLOGY
SA NEUROPHYSIOLOGY
SA PSYCHOPHYSIOLOGY

CONTRIBUTIONS TO SENSORY PHYSIOLOGY, VOLUME I
A65-25645

ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR
AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE
CONDITIONS A65-29945

TIME ESTIMATION - PHYSIOLOGICAL AND ANATOMICAL
BASES A65-80053

PHYSIOLOGY CONTD

SUBJECT INDEX

SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND OTHER PHYSIOLOGICAL MEASUREMENTS N65-13727

RHYTHM OF PHYSIOLOGICAL FUNCTIONS IN LIMITED MOBILITY DURING SPACE FLIGHT N65-13742

AVIATION PHYSIOLOGY N65-13759

ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN PHYSIOLOGY JPRS-28225 N65-14261

MEDICAL, PHYSIOLOGICAL, AND BIOLOGICAL RESEARCH ON VOSKHOD AND VOSTOK SPACECRAFT JPRS-27925 N65-14598

MEDICAL AND PHYSIOLOGICAL RESEARCH DURING MANNED FLIGHTS ABOARD VOSKHOD AND VOSTOK SPACECRAFT N65-14599

STUDIES IN MEDICINE AND PHYSIOLOGY DERIVED FROM VOSTOK SPACECRAFT FLIGHTS NASA-TT-F-9207 N65-14607

ENERGY FOR PHYSIOLOGICAL FUNCTIONS DESCRIBED AS ENERGY ACCUMULATION IN HIGH ENERGY BONDS NASA-TT-F-308 N65-14948

MECHANISM AND PROBLEMS OF BINAURAL INTERACTION - ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY TRACOR-64-199-U N65-15031

PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON HUMANS WORKING IN ROTATING ENVIRONMENTS R-63 N65-15039

SPACE FLIGHT PHYSIOLOGY, PSYCHOLOGY, AND PERSONAL HYGIENE JPRS-28183 N65-15171

PHYSIOLOGICAL TESTS ON PILOTS OPERATING FLIGHT SIMULATOR AM-64-18 N65-15209

PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR APPLICATION IN CLOSED ECOLOGICAL SYSTEMS NASA-CR-60396 N65-15801

PHYSIOLOGICAL AND MORPHOLOGICAL RELATIONSHIPS BETWEEN MARINE SPECIES OF CHLORELLA N65-15805

KINETIC MODELS OF PHYSIOLOGICAL SYSTEMS N65-16627

PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY JPRS-28724 N65-17744

COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA ACCLIMATIZATION N65-17752

COMPARATIVE PHYSIOLOGICAL FEATURES OF ANIMAL HEMATOGENETIC FUNCTIONS UNDER HIGH MOUNTAIN CLIMATE CONDITIONS - HYPOXIA N65-17756

ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF CHILDREN BORN AND RAISED IN HIGH ALTITUDE ENVIRONMENT N65-17759

PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION TO HIGH MOUNTAINS N65-17812

PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN ENGINEERING EXPERIMENTAL DESIGN NASA-CR-172 N65-18500

COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN ENGINEERING NASA-CR-174 N65-18501

PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT ON HUMAN ORGANISMS JPRS-29433 N65-20829

SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY, PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY

JPRS-29292 N65-21236

WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY JPRS-29743 N65-21711

PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE ANALYZER BY CONDITIONED REFLEX METHOD IN MAN DURING ACUTE HYPOXEMIA AND HYPERCAPNIA FTD-TT-62-1903/16264 N65-22061

PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN MALE - MATHEMATICAL MODEL RM-4347-PR N65-23037

OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL REVIEW BNL-898 N65-23230

SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA - FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY JPRS-29641 N65-23371

CLINICOPHYSIOLOGICAL ASPECTS OF MEDICAL PROGRAM AND SPACECREW REACTION STUDIED BY PHYSICIAN ON INTERPLANETARY FLIGHT AND SEISMOCARDIOLOGICAL DATA JPRS-29795 N65-23422

CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC DATA N65-23424

AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO DEVELOP DIGITAL TECHNIQUES FOR PROCESSING, DISPLAYING, AND ANALYZING DATA LMSC-6-65-65-15 N65-24710

PHYSIOLOGY OF FLYING N65-24733

PHYSIOLOGY - HUMAN AGING AND LONGEVITY, CYBERNETICS, X-RAY IRRADIATION EFFECT, AND OXYGEN PRESSURE DETERMINATION - SCIENTIFIC CONFERENCE REPORTS JPRS-30099 N65-24875

THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL FACTORS WHICH AFFECT THERMOREGULATION - STUDIES USING LAWS OF CYBERNETICS N65-24876

PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY AUTOMATIC CONTROL PROCESSES N65-24890

PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION JPRS-30015 N65-25025

PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT CONTROL PROBLEM N65-25051

SALIVA STUDIES OF PAROTID FLUID STERIOD RESPONSES TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES - PHYSIOLOGICAL RESPONSES SAM-TDR-63-30 N65-25204

PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD STRESS FOR INTERPRETATION OF DIFFERENCES IN ACTION OF THERAPEUTIC DRUGS AT VARIOUS ENVIRONMENTAL OR BODY TEMPERATURES AAL-TDR-64-20 N65-25254

SOVIET RESEARCH IN GENETICS, PHYSIOLOGY, AND RADIOBIOLOGY JPRS-30485 N65-25611

ECOLOGICAL EFFECTS OF SPACE TRAVEL AND ENVIRONMENT N65-26228

COMPILATION OF ABSTRACTS ON SPACE MEDICINE AND BIOLOGY, SPACE PHYSIOLOGY, AND SPACE VEHICLE ECOLOGY - LIFE SUPPORT SCIENCES ATU-P-64-66 N65-27748

- FUNCTIONAL EVALUATION OF PRESSURE BREATHING -
MEASUREMENT OF PULMONARY DIFFUSION CAPACITY A65-80110
- PHYSIOPATHOLOGY OF EQUILIBRIUM IN THE AVIATOR A65-80127
- EFFECT OF INCLINED POSITIVE ACCELERATION ON
HUMAN EXTERNAL RESPIRATION A65-80398
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING A65-80436
- MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR
APPARATUS IN CATS A65-80437
- CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT A65-80439
- TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA
DURING HIGH ALTITUDE SIMULATION A65-80443
- PROPOSED BIOSATELLITE UTILIZING OPOSSUM FETUSES
FOR STUDYING WEIGHTLESSNESS EFFECTS A65-80464
- PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD
INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE
SYSTEMS A65-80491
- PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH
ALTITUDE EXPOSURE A65-80493
- IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS
AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS A65-80494
- PHYSIOLOGICAL EFFECTS OF WIND ON MAN A65-80495
- PATHOLOGIC AND PHYSIOLOGIC EFFECTS OF HEAT
EXPOSURE IN MAN A65-80497
- PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF EXTREME COLD
DURING TOTAL BODY COOLING AND LOCAL COLD INJURY IN
MAN A65-80498
- PATHOLOGIC AND PHYSIOLOGIC EFFECT ON MAN EXPOSED
TO HIGH ALTITUDE A65-80499
- PHYSIOLOGICAL EFFECT OF CHILLING ON BODY
THERMOREGULATORY MECHANISM A65-80544
- PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING
HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO
JUXTAGLOMERULAR CELLS OF KIDNEY A65-80559
- INSTRUMENTATION AND EXPERIMENTAL CONTROLS NEEDED
TO STUDY PHYSIOLOGICAL EFFECTS OF ATMOSPHERIC IONS A65-80582
- TOXICITY OF SYNTHETIC, ETHYLATED AND SOME AVIATION
GASOLINES A65-80589
- STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592
- PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE A65-80600
- RESPONSE OF CARDIOVASCULAR SYSTEM TO COLD-BLOCK OF
VAGUS TRUNK A65-80602
- ASSESSMENT, MANAGEMENT AND CONTROL OF HEAT STRESS A65-80635
- PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636
- EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL
FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM
- IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647
- RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST
AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO
IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE
AND AMYTAL A65-80649
- REACTION OF AUTONOMIC CENTERS OF HYPOTHALAMUS AND
CEREBELLUM TO IONIZING RADIATION A65-80650
- OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES
OF MAN TO WORK IN HOT ENVIRONMENTS A65-80675
- CORRELATION OF DIENCEPHALIC AND BULBOVESTIBULAR
NYSTAGMOGENIC AREAS A65-80688
- CORRELATION OF SPECIFIC AND NONSPECIFIC RESPONSES
TO LIGHT REVEALED IN HUMAN ELECTROENCEPHALOGRAPH A65-80698
- COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS
AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC
STIMULATION TRANSMITTED BY THALAMUS NUCLEUS A65-80720
- POSITIVE ACCELERATION EFFECT ON CHIMPANZEES
IMMERSED IN WATER A65-80727
- FLICKER PROBLEMS AS RELATED TO PHYSICS,
ELECTRONICS, CELLULAR PHYSIOLOGY,
ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY A65-80767
- PHYSIOLOGICAL ASPECTS OF FLICKER ELECTRORETINOGRAM
COMPONENTS AND FREQUENCY CHARACTERISTICS A65-80771
- CHANGES IN PULMONARY VOLUME AND VENTILATION IN
HEALTHY AND SICK INDIVIDUALS DURING HYPOXIA AT
SIMULATED ALTITUDE A65-80799
- SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
FIELD A65-80801
- PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL
EFFECT OF ACCELERATION AND WEIGHTLESSNESS A65-80931
- ENVIRONMENTAL PHYSIOLOGY AND PSYCHOLOGY IN HOT
ARID CONDITIONS A65-80954
- HUMAN RESPONSE TO ACCELERATION STRESS AND
WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT A65-81192
- PHYSIOLOGY AND METABOLISM OF PHYSICAL EXERCISE A65-81220
- ORGAN OF CORTI- HISTOPHYSIOLOGY AND
HISTOCHEMISTRY A65-81422
- PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY
SYSTEM BY ANALOG COMPUTER AD-606521 N65-12246
- ANNOTATED BIBLIOGRAPHY - HUMAN SCIENCES IN
INDUSTRY N65-13117
- ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE
FLIGHT AND SUBMARINE MEDICINE JPRS-27767 N65-13417
- PHYSIOLOGICAL ASPECTS OF HYPOXIA AND CHEMICAL
THERMOREGULATION N65-13688
- PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS
OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING N65-13717
- CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND
DOGS CAUSED BY EXPLOSIVE DECOMPRESSION N65-13722
- COSMIC PHYSIOLOGY AND ORGANIZATION OF EXPERIMENTS
IN FLIGHT OF MAN INTO COSMOS N65-13726

SUBJECT INDEX

PILOT

THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN
PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION
REPT.-13 N65-27793

PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS
INSECTICIDES, CARBON MONOXIDE AND METHANE
EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC
FUMES
JPRS-30976 N65-28291

PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON
MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY
CONCENTRATION OF CARBON MONOXIDE IN AIR
N65-28295

MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND
AND SUPERHIGH FREQUENCY ELECTROMAGNETIC
OSCILLATIONS - ACOUSTIC MEASUREMENTS OF
STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY
JPRS-30860 N65-28700

PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203 N65-28817

REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER
VARIOUS PHYSIOLOGICAL CONDITIONS
N65-29032

MUTUALLY INHIBITORY TRANSIENT RETINAL
REACTIONS - PHYSIOLOGY N65-29348

CONTINUING BIBLIOGRAPHY OF AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/12/ N65-29649

PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820

SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS
CORRELATED WITH SPEECH WAVE DATA AND
PHYSIOLOGICAL STRUCTURES
AFCL-65-272 N65-30196

PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON
TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
AEET/HP/TH-21 N65-31022

PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
EFFECT ON GROWTH OF ORGANISM AND VITAL
ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS
N65-31378

CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS -
PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS
SYSTEM
JPRS-31577 N65-31520

TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVCE-1444-1 N65-33459

EFFECTS OF SENSORY DEPRIVATION ON SPACE TRAVEL -
SENSORY, PERCEPTUAL, AND PHYSIOLOGICAL ASPECTS
N65-33628

PROBLEMS IN SPACE ECOLOGICAL PHYSIOLOGY
NASA-TT-F-9545 N65-33958

RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
STRUCTURE OF BIOLOGICAL MEMBRANES
JPRS-32016 N65-34453

REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117

MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722

PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON

CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768

PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770

PICTURE

SA DISPLAY SYSTEM

ANALYSIS OF PICTORIAL DISPLAY SYSTEMS
- REPT.-2732.01/23 N65-19322

PIEZOELECTRIC CRYSTAL

GRAPHIC RECORDING OF SECRETORY AND EXCRETORY
PROCESSES USING PIEZOELECTRIC CRYSTAL RECORDING
ELEMENT
JPRS-31269 N65-29182

PIG

SA GUINEA PIG

ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS A65-81096

PIGEON

VARIATIONS OF MOTOR RESPONSES TO GRAVITATIONAL
STIMULI CAUSED BY CHANGES OF SENSORY PERCEPTION
IN PIGEONS A65-80215

ABILITY OF PIGEON TO DISCRIMINATE SOLAR
MOVEMENT AND RELATION TO ASTRONAVIGATION
A65-80237

CELLULAR SECRETION AND ABSORPTION PROCESS OF
ENDOLYMPH IN VESTIBULAR APPARATUS OF PIGEON
A65-82172

ARTICLES ON BIOPHYSICAL RESEARCH - MITOGENETIC
RADIATION, STRUCTURE OF PIGEON UTRICLE, ION
TRANSPORT IN RAT-CORTEX SECTIONS, AND
BIOELECTRICAL PHENOMENA IN MICROORGANISMS
JPRS-32209 N65-35150

ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE
N65-35152

PIGMENT

SA BILIRUBIN

SA MELANIN

HETEROTROPHIC GROWTH, CARBOHYDRATE METABOLISM AND
PRODUCTION OF XANTHOPHYLLS BY CHLORELLA
PYRENOIDOSA A65-81285

PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422

PHOTOSYNTHETIC BACTERIA. DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203 N65-28817

PILOT

SA ASTRONAUT

TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING
APPLIED TO CURRENT COMMERCIAL TRANSPORTS,
DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND
HANDLING QUALITIES A65-14227

PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH
G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE
OXYGEN A65-80034

PHYSIOPATHOLOGY OF EQUILIBRIUM IN THE AVIATOR
A65-80127

TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS
RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134

EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING

PILOT ERROR

SUBJECT INDEX

AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT
IN DYNA-SOAR PROGRAM A65-80135

MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN A65-80137

CONTACT LENS WEAR IN PILOTS - COMPARISON OF
PLASTIC CORNEAL LENS WITH NEW GEL-LENS UNDER
SIMULATED ALTITUDE A65-80153

HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA
A65-80187

FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF
PILOTS A65-80534

CASE HISTORY OF PILOT HAVING SYNCOPE DURING
INSTRUMENT FLYING A65-80551

EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS A65-80722

PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS A65-80874

RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS A65-80919

ELECTROENCEPHALOGRAPHIC CHANGES DURING INDUCED
HYPERVENTILATION IN PILOTS A65-81165

RELATIONSHIP BETWEEN OXYGEN CONSUMPTION AND HEART
RATE IN EVALUATION OF CARDIOVASCULAR FUNCTION IN
PILOT CANDIDATES A65-81264

PILOT RELIABILITY AND SKILL RETENTION FOR SPACE
FLIGHT MISSIONS A65-81305

MONITORING OF PILOT HEART RATE BY MULTI-CHANNEL
TELEMETRY DURING JET FLIGHT A65-81436

HEART RATE AND BLOOD PRESSURE CHANGES IN JET
PILOTS A65-81442

LATENT CORONARY INEFFICIENCY IN MIDDLE AGED PILOT
REVEALED BY ELECTROCARDIOGRAM TAKEN AFTER PHYSICAL
EXERCISE A65-81782

VISUAL PROBLEMS OF SPANISH AIRLINE PILOTS
A65-81785

VENTILATED CLOTHING AND UMBRELLA TO PROTECT
INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION
A65-81789

ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF
ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO
ANOXIA A65-81796

SPINAL PAIN REACTION IN PILOTS AFTER MANY FLIGHT
HOURS IN HELICOPTERS A65-81819

MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT
DUTY A65-81826

HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305

VISUAL OBSERVATIONS OF FLIGHT INSTRUMENTS BY
PILOT N65-13694

EFFECT OF INTENSIVE ANGULAR ACCELERATIONS ON
VESTIBULAR REACTIONS OF AIRCRAFT PILOT
N65-13734

TECHNIQUES FOR PARAMETER DETERMINATION IN
MATHEMATICAL MODELS OF HUMAN PILOT
NASA-CR-143 N65-14848

COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE
PILOTS WEARING FULL PRESSURE HIGH ALTITUDE
FLYING OUTFIT
AAL-TDR-64-23 N65-24082

GEMINI LAUNCH VEHICLE PILOT SAFETY PROGRAM

NASA-TM-X-56714 N65-31008

PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT
BETWEEN OKLAHOMA CITY AND TOKYO
AM-65-16 N65-34020

REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517

SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724

PILOT ERROR

EXPERIMENTAL INDUCTION OF SOME SENSATIONS
CORRESPONDING TO FLIGHT ILLUSIONS OF VESTIBULAR
APPARATUS A65-12882

HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE
SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION
AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS
A65-25323

THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION
OF TIME-VARYING HUMAN OPERATORS ENGAGED IN
TRACKING TASK A65-35475

EFFECTS OF PERFORMANCE SCORING CRITERIA ON
COMPENSATORY TRACKING BEHAVIOR A65-35476

SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN
OPERATOR A65-35477

PSYCHOLOGICAL MECHANISMS IN PILOT ERROR - ANXIETY
AND PILOT TRAINING A65-81326

FLIGHT ACCIDENT PREDICTION - REPORT ON TWO STUDIES
ON PILOT LIABILITY TO FLIGHT ACCIDENTS AND
POSSIBLE PILOT SELECTION A65-81327

LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE
PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION
INFORMATION A65-81728

PILOT ERRORS IN INSTRUMENT FLYING
N65-13748

PILOT PERFORMANCE

SA ASTRONAUT PERFORMANCE

LIGHT ATTACK AND FIGHTER BOMBER PILOTS PROBLEMS
CONCERNING PILOT COMFORT, EFFICIENCY AND SURVIVAL,
FLIGHT SAFETY AND COMBAT EFFECTIVENESS
A65-14226

ATTENTION, PERCEPTION, EMOTION AND JUDGEMENT IN
PILOT CAUSED AIRCRAFT ACCIDENTS
A65-16372

PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS
IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT
WITH ATTENTION TO TFX TYPE AIRCRAFT
A65-18428

PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION
AND POSITION IN SPACE WHILE UNDERGOING
SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION
A65-18429

FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS
DETERMINED BY POSTFLIGHT URINE ANALYSIS
A65-18430

OPHTHALMOLOGIST APPROVAL OF CONTACT LENSES BY
PILOTS IF PROPERLY FITTED A65-18434

X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING
BIOINSTRUMENTATION AND TELEMETRY, PRESSURE SUIT
DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT
PERFORMANCE A65-22688

AGE DEPENDENCE OF PILOT RESPONSE IN SIGNAL
SEQUENCE IDENTIFICATION BY APPROPRIATE CONTROL
OPERATION AT MAXIMUM SPEED AND MINIMUM ERROR
A65-22901

SUBJECT INDEX

PILOT PERFORMANCE

ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR A65-24077

SAFETY FACTORS AND ADVANTAGES INVOLVED IN CONTACT
LENS UTILIZATION BY COMMERCIAL AND AIRLINE PILOTS
A65-24097

PHYSICAL RISK AND RESPONSIBILITY FOR MISSION AS
FACTORS IN MODULATING HEART RATE IN TEST PILOTS
A65-26167

PILOTS ABILITY TO OPERATE A4D ELF FLASH
BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS
OF SAFETY A65-26170

COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN
LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV
SCREEN SIMULATING VISUAL APPROACH AND LANDING
A65-26416

HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND
CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST
FLIGHTS A65-29068

HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE,
PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND
PERFORMANCE A65-29990

CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM
DISCOMFORT TO PILOT DURING ACCELERATION,
VIBRATION AND/OR SHOCK A65-30013

PILOT EYE FIXATIONS WHILE FLYING MANEUVERS WITH
BOTH VERTICAL MOVING TAPE INSTRUMENTS AND ROUND
DIAL INSTRUMENT A65-30103

EKG AND BLOOD PRESSURE STUDIES IN MILITARY JET
PILOTS BEFORE AND AFTER FLIGHT A65-30139

WOLFF- PARKINSON- WHITE / WPW/ CARDIAC SYNDROME
SYMPTOMS AND EFFECTS AND RELATION TO AIRCRAFT
PILOT CAPABILITY A65-30350

SIMULATOR AND FLIGHT TEST COMPARISON OF PILOT
PERFORMANCE TO DETERMINE FLIGHT SIMULATOR
REQUIREMENTS
ICAS PAPER 64-554 A65-30943

PREMISSION CREW CONDITIONING AND FLIGHT
SIMULATION, DETERMINING EFFECT OF SECOBARBITAL
TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING
MISSION A65-32636

HELICOPTER VIBRATION EFFECT ON PILOT ACCURACY IN
POSITIONING TASK A65-32984

VIGILANCE DEFINED AS PROBABILITY OF DETECTING
SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN
MANNED SPACEFLIGHT A65-35484

INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION
FOR MANNED SPACE FLIGHT A65-35485

VESTIBULAR SIMULATION EFFECTS ON VISUAL PERCEPTION
FROM MANNED SPACE FLIGHT A65-35486

EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF
PILOTS A65-36399

FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT
EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY,
PILOT COMFORT, AND SURVIVAL A65-80133

PILOT PERFORMANCE AS AFFECTED BY GUST-INDUCED AND
MANEUVERING ACCELERATION A65-80728

MAN-MACHINE PROBLEMS RELATED TO FLYING VERTICAL
TAKEOFF AIRCRAFT A65-81037

EFFECT OF ALCOHOL ON PILOT PERFORMANCE
A65-81102

FLIGHT STRESS AND SAFETY- AIDS TO PILOT
PERFORMANCE A65-81309

ASSESSMENT OF FLYING SKILL BY FLIGHT TEST
A65-81367

PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH
PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY
SECCBARBITAL AND D-AMPHETAMINE A65-81734

PILOT PERFORMANCE USING VISUAL DISPLAY FOR GUIDING
HIGH SPEED AIRCRAFT IN CLOSE PROXIMITY TO
TERRAIN
NASA-TN-D-1827 N65-11043

PSYCHOLOGY OF PILOT PERFORMANCE IN INSTRUMENT
FLIGHT N65-13631

NEUROPSYCHIC TENSIONS IN PILOTS DURING AIRCRAFT
LANDINGS N65-13690

CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS
N65-13691

PILOT ERRORS IN INSTRUMENT FLYING
N65-13748

INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER
PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY
AND DURING PERFORMANCE N65-13772

PILOT PERFORMANCE TESTS TO ALIGN AIRCRAFT WITH
TARGET
AMRL-TR-64-87 N65-13998

VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS
IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE
TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT
CONTROL SYSTEM
NASA-TN-D-2569 N65-14119

PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT,
TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE,
AND PROGRAMMING ON ANALOG COMPUTER
AD-603477 N65-14282

INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT
TR-751-3 N65-15105

SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING
PERFORMANCE DURING SIMULATED TACTICAL AIR
MISSION N65-18379

PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK
USING DIFFERENT THRUST CONTROL SYSTEMS
LMSC-6-65-65-1 N65-20398

COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC
FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING -
PILOT FACTORS PROGRAM
REPT.-1-64 N65-21258

NAVIGATION AND EMERGENCY TASK LOADING EFFECT
ON PILOT PERFORMANCE DURING LOW ALTITUDE HIGH
SPEED FLIGHT SIMULATION
USATRECOM-TR-64-69 N65-24254

G-SUITS AND PROTECTIVE HELMETS FOR INCREASING
ENDURANCE OF PILOTS
JPMS-30380 N65-24696

HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING
AD-612726 N65-26118

FATIGUE EFFECTS ON PILOT PERFORMANCE AFTER 24 HOUR
SIMULATED TRANSPORT FLIGHT
SAM-TR-65-16 N65-26570

HUMAN ENGINEERING SUPPORT FOR PILOT FACTORS
PROGRAM - TECHNICAL DIRECTION, FURNISHING,
INSTALLATION, AND MAINTENANCE OF EQUIPMENT,
INSTRUMENT FLYING PROCEDURES, AND DATA ANALYSIS
AD-616765 N65-30630

GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4 N65-34537

FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE

PILOT PLANT

SUBJECT INDEX

- NASA-TN-D-2993 N65-35060
- PILOT PLANT**
 PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE CROPS OF UNICELLULAR ALGAE A65-80600
 VERY HIGH FREQUENCY SILICON POWER TRANSISTOR MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY AND PROCESS MANUAL TE-4000-15-F N65-19005
- PILOT SELECTION**
 AERONAUTICAL APPLICATION OF RESPIRATORY AND CARDIOVASCULAR FUNCTIONAL EVALUATION TESTS A65-12883
 PHYSICAL AND PSYCHOPHYSIOLOGICAL TESTS USED IN SOVIET UNION FOR ASTRONAUT SELECTION AND TRAINING, NOTING SPACE FLIGHT RESULTS A65-22928
 STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR DISQUALIFICATION OF PILOT CANDIDATES IN THE ITALIAN AIR FORCE A65-80216
 PILOT SELECTION AND NAVAL AVIATION A65-81041
 DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO THEIR FLYING PERFORMANCE A65-81117
 RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION IN COMMERCIAL PILOT SELECTION A65-81297
 FLIGHT ACCIDENT PREDICTION - REPORT ON TWO STUDIES ON PILOT LIABILITY TO FLIGHT ACCIDENTS AND POSSIBLE PILOT SELECTION A65-81327
 STUDIES IN PROGRESS ON VARIOUS ASPECTS OF CRITERIA OF FLYING PROFICIENCY FOR PILOT TRAINING AND SELECTION A65-81329
 PSYCHOLOGICAL EXAMINATION AND SELECTION OF PILOT TRAINEES IN ROYAL DANISH AIR FORCE A65-81330
 PREDICTION OF PERFORMANCE IN EARLY STAGES OF FLIGHT TRAINING A65-81331
 PSYCHIATRIC SELECTION OF FLYING PERSONNEL A65-81369
 PHYSICAL FITNESS AND PILOT SELECTION IN CIVIL AVIATION A65-81370
 MOTIVATION TOWARD FLYING IN PILOT CANDIDATES RELATED TO TRAINING SUCCESS AND ADJUSTMENT A65-81776
 EVALUATION OF PILOT PERFORMANCE BY INFLIGHT ELECTROENCEPHALOGRAPHY STUDY OF STRESS TOLERANCE A65-81777
 SCREENING AND SELECTION OF SPANISH PILOTS A65-81778
 PILOT TRAINEE SELECTION PROGRAM OF IRISH INTERNATIONAL AIRLINES A65-81779
 BARANY CHAIR TEST OF LABYRINTH FUNCTION AS CRITERION FOR PILOT SELECTION A65-81808
 EVALUATION OF MEDICAL DATA OF PHYSICAL EXAMINATION IN PILOT SELECTION A65-81810
 ELECTROENCEPHALOGRAPHY AND PSYCHOLOGICAL TESTING OF COMBAT PILOT UNIT A65-81811
 ELECTROCARDIOGRAM AND ISCHEMIC HEART DISEASE IN AIRCRAFT PILOT SELECTION AND AIRCRAFT ACCIDENTS A65-82351
- PILOT TRAINING**
 POSTGRADUATE OFFICER TRAINING FOR PILOT TRAINEES A65-80400
 PSYCHOLOGICAL MECHANISMS IN PILOT ERROR - ANXIETY AND PILOT TRAINING A65-81326
- STUDIES IN PROGRESS ON VARIOUS ASPECTS OF CRITERIA OF FLYING PROFICIENCY FOR PILOT TRAINING AND SELECTION A65-81329
 AVIATION PSYCHOLOGY- PERSONNEL SELECTION, TRAINING, AND HUMAN FACTORS A65-81366
 TRAINING OF AIR FORCE PILOTS DURING SIMULATION OF APOLLO FLIGHT A65-81389
 CHANGES IN CAPACITY OF CENTRAL NERVOUS SYSTEM FOR ACQUIRING SKILLS DURING PILOT TRAINING N65-13679
 FLIGHT CONDITION SIMULATION FOR PRECISION TRAINING OF PILOTS N65-24863
 SURVIVAL, SEARCH, AND RESCUE OPERATION TRAINING TECHNIQUES FOR GENERAL AVIATION PILOTS AND AIRCRAFT OWNERS N65-29753
 EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO MAKE CARRIER APPROACHES NAVTRADEVGEN-1432-1 N65-31080
 EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION AND FEASIBILITY OF USING DIRECT PERCEPTUAL ESTIMATION TO DETERMINE ANGLES OF DRIFT TR-65-8 N65-34684
 TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT SIMULATOR IN CARRIER LANDING MANEUVER UNDER KINETIC AND STATIC CONDITIONS NAVTRADEVGEN-1432-1-S1 N65-35542
- PILOTTED AIRCRAFT**
 PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE HIGH SPEED FLIGHT NASA-TN-D-2793 N65-25925
 THEORY AND SIMULATION OF PILOTTED LONGITUDINAL CONTROL IN CARRIER APPROACH STI-TR-130-1 N65-26994
 GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS - CHART SCALE AND PILOT PERFORMANCE TR-751-4 N65-34537
- PINEAL GLAND**
 CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT OF RAT PINEAL GLAND A65-80654
 LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT A65-81592
- PIPE**
 CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL PROCESS IN ANAEROBIC SOIL FD3-3957/T-166-/ N65-32693
- PITUITARY GLAND**
 HYPOTHALAMO-HYPOPHYSAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288
 EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES EVOKED BY PHYSICAL EXHAUSTION A65-81923
- PLAN POSITION INDICATOR /PPI/**
 RADAR TARGET TRACKING PERFORMANCE FOR PLAN POSITION INDICATOR DISPLAY AND AUTOMATIC COMPUTER A65-11895
- PLANET**
 SA EARTH
 SA JUPITER /PLANET/
 SA MARS /PLANET/
 VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO SPACE FLIGHT RESEARCH A65-81307
- PLANETARY ATMOSPHERE**
 SA JUPITER ATMOSPHERE
 SA MARS ATMOSPHERE
 SA VENUS ATMOSPHERE
 SEED GERMINATION OF COMMON PLANT SPECIES IN

SUBJECT INDEX

PLANT /BIOL/

- RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- EVOLUTION OF THE ATMOSPHERES OF THE EARTH AND
PLANETS A65-80370
- ORIGIN AND EVOLUTION OF PLANETARY ATMOSPHERES AND
OCEANS A65-80889
- PROCESSES OF ORIGIN OF PLANETARY ATMOSPHERES
A65-81928
- PLANETARY ENTRY**
SPACECRAFT STERILIZATION, DISCUSSING ENGINEERING
AND HEAT TRANSFER PROBLEMS IN ACHIEVING
STERILIZATION TEMPERATURE OF ENTRY AND LANDING
VEHICLES
AIAA PAPER 65-427 A65-29377
- PLANETARY ENVIRONMENT**
SA MARS ENVIRONMENT
- POSSIBLE ALTERNATIVE CHEMICAL ELEMENTS AND
COMPOUNDS SUITABLE FOR PROLONGED BIOMOLECULAR
EVOLUTION AND CHEMICAL SELECTION ON NONTERRESTRIAL
TYPE PLANET A65-27098
- PLANETARY EXPLORATION**
EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND
POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC
AND TELEVISION INSTRUMENT PACKAGE FOR TELEMTRY
A65-16557
- NASA PROGRAM FOR BIOLOGICAL EXPLORATION OF MARS AS
SUGGESTED BY NATIONAL ACADEMY OF SCIENCES SPACE
SCIENCE BOARD A65-82219
- BIOLOGICAL EXPLORATION OF MARS
NASA-CR-64337 N65-30839
- PLANETARY LANDING**
STERILIZATION CONTAINER DESIGN FOR HARD AND SOFT
PLANETARY LANDERS
AIAA PAPER 65-387 A65-30207
- BIOINSTRUMENTATION FOR PLANETARY LANDING SPACE
CAPSULE N65-16609
- PLANETARY SURFACE**
SUBSURFACE MARINE BIOSPHERE ON MARS
A65-81583
- BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL
ANALYSIS OF PLANETARY SURFACE N65-16610
- PLANKTON**
HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
ALGAE
SERL-64-8 N65-12782
- AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT
N65-23994
- PLANT /BIOL/**
SA ALGAE
SA ANGIOSPERM
SA TRADESCANTIA
SA VASCULAR SYSTEM
- OPTICAL PROPERTIES OF YOUNG LEAVES OF PLANTS IN
IR REGION OF SPECTRUM A65-20083
- SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS
AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL
POSITION A65-24779
- TEMPERATURE AND PRECONDITIONING EFFECT ON
PHOTOPERIODIC RESPONSE OF PHARBITIS NIL, STRAIN
VIOLET SHORT-DAY PLANT A65-30650
- INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT
OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE
PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH,
STUDIED BY RADIOASSAY A65-31319
- SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA
PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN
SOURCES, OBSERVING GROWTH A65-32567
- LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE
FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION
WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE
A65-33948
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS A65-35816
- BIOLOGICAL RHYTHMS IN PLANTS, VERTEBRATES, AND
INVERTEBRATES A65-80128
- ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT A65-80141
- BIOLOGICAL EFFECTS OF MAGNETIC FIELDS
A65-80409
- GROWTH RATE AND MAGNETIC MAGNETOTROPIC RESPONSE OF
PLANTS EXPOSED TO MAGNETIC FIELDS A65-80422
- BARLEY SEED, HORDEUM DISTICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423
- MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS A65-80657
- BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON
SEEDS OF BARLEY AND LILIAM REGALE A65-80843
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL
PROCESSES IN GERMINATION OF SEED IN SOME HIGHER
PLANTS ABOARD VOSTOK SPACECRAFT A65-81595
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS A65-81596
- EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON
CHROMOSOMES OF PLANT SEEDS A65-81601
- INVESTIGATION OF GAS EXCHANGE IN PLANTS IN CLOSED
SYSTEM WITH HELP OF CARBON 14 IN CARBON DIOXIDE
A65-81924
- INTERSTELLAR MATTER DEPOSITED ON EARTH SURFACE
AS RELATED TO PLANT AND ANIMAL LIFE A65-81967
- WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326
- GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN
ABSENCE OF GRAVITATIONAL EFFECTS
NASA-CR-53405 N65-15369
- RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON
ANIMAL ORGANISMS
JPRS-28405 N65-15676
- CHANGES ARISING IN PLANTS AFTER EXPOSURE TO
IONIZING RADIATION N65-15678
- BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND
PLANT RESEARCH FOR SPACE EXPLORATION
AD-450818 N65-16601
- ACTIVITY VARIATIONS OF PHOTOSYNTHETIC MECHANISMS
IN GREEN PLANT CELLS N65-16813
- LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE

AND CYTOCHEMISTRY IN PLANTS
NASA-CR-55179 N65-17055

PATHOGEN-FREE FOOD PLANTS IN MICROCOSM - HIGH
INTENSITY LIGHT EFFECT ON PLANT GROWTH
NASA-CR-50170 N65-17067

PLANT LEAVES FOR OXYGEN PRODUCTION IN SPACE CABIN
ATMOSPHERE
NASA-CR-50295 N65-17071

PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED
ECOLOGICAL SYSTEM
NASA-CR-55131 N65-17072

PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED
ECOLOGICAL SYSTEM
NASA-CR-60892 N65-17867

PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE
FLIGHT
N65-18593

SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC
RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT,
NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED
BIOLOGICAL STUDIES
JPRS-29112 N65-20132

SPACE BIOLOGY OF PLANTS AND ANIMALS - BIODYNAMICS
N65-20324

SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS
OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981

ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC
PLANTS
REPT.-138 N65-21186

ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
AND RADIATION PROTECTION
NASA-CR-62133 N65-21422

HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933

BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON
METABOLISM OF WILD SPECIES OF PLANTS AND
ANIMALS
TID-3910, SUPPL. 3 N65-23596

SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF
PLANTS FOR USE IN BIOSATELLITE
NASA-CR-62707 N65-23742

PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941

TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC
PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR
EARTH SURFACE
N65-23992

LONG TERM ANALYSIS OF ATMOSPHERIC POLLEN
N65-23993

STATUS OF INTRODUCED PLANT SPECIES AT NEVADA
NUCLEAR TEST SITE - ECOLOGY
UCLA-12-554 N65-24228

PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT
MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON
SYNTHESIS AND MULTIPLICATION OF SPECIES
N65-28102

CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER
GROWN IN OPEN TANKS
N65-28103

PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT
PROTECTION AND APPLICATION OF PHYSIOCHEMICAL
ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1&2&3&4 N65-28531

EFFECTS OF LOW PRESSURES ON CELLULAR
ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS
NASA-CR-64097 N65-30474

SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC
MATERIAL STUDIES
NASA-CR-64418 N65-31053

EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674

SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS
N65-34942

PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
ACID
EUR-1648.F N65-36376

PLASMA SA BLOOD PLASMA

TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460

PLASMA WAVE
ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF
SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS
OF AORTA
NASA-TT-F-9569 N65-33809

PLASTIC
PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS
INSECTICIDES, CARBON MONOXIDE AND METHANE
EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC
FUMES
JPRS-30976 N65-28291

PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING
INHALATION OF FUMES EMANATING FROM SPECIMENS
OF FIBER GLASS REINFORCED PLASTIC
N65-28293

X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS -
TABULATION OF ATTENUATION AND ABSORPTION
COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND
GASES VS MUSCLE AND BONE
WL-TR-64-134 N65-29998

PLASTIC MATERIAL
EVALUATIONS OF PLASTIC BADGES CONTAINING BETA,
GAMMA, AND NUCLEAR TRACK FILM FOR USE IN
PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333

RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600 N65-22094

PLATELET
BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL
LEAD POISONING IN RABBITS
A65-81256

PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY
EXPOSURE OF STAINED BLOOD FILMS
UR-663 N65-24622

PLOWSHARE PROGRAM
NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
PROGRAM
UCRL-14249 N65-35020

PLUTONIUM
HEALTH ASPECTS OF PLUTONIUM HANDLING - RADIATION
HAZARDS, CONTROL, CONTAINMENT, MONITORING, AND
EMERGENCY PROCEDURES
AERE-L-151 N65-25164

ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY
ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF
PLUTONIUM-BEARING WEAPON SIMULANT
UR-665 N65-28325

PLUTONIUM 239
CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,

SUBJECT INDEX

POLYMER

- AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-D-4/65 N65-28883
- PNEUMOGRAPHY**
LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE
PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER,
SILVER CHLORIDE AND NONIRRITATING PASTE A65-21947
- IMPEDANCE PNEUMOGRAPHY AS USEFUL ALTHOUGH INDIRECT
TECHNIQUE FOR RESPIRATORY VOLUME AND RATE
MEASUREMENT A65-34476
- POCKET MOUSE**
OXYGEN CONSUMPTION, THERMAL CONDUCTANCE, AND
TORPOR IN CALIFORNIA POCKET MOUSE, PEROGNATHUS
CALIFORNICUS A65-81679
- RELATION BETWEEN TORPOR CYCLE AND HEAT EXCHANGE IN
CALIFORNIA POCKET MOUSE, PEROGNATHUS CALIFORNICUS
A65-81680
- RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES
IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX,
DURING HIBERNATION A65-81681
- RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL
AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378
- POINT**
S TRANSITION POINT
- POISONING**
SA BENZENE POISONING
SA CARBON MONOXIDE POISONING
SA CARBON TETRACHLORIDE POISONING
SA HYDROCARBON POISONING
SA KEROSENE POISONING
SA LEAD POISONING
SA OXYGEN TOXICITY
- ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003
- TOXICOLOGY OF CARBON TETRACHLORIDE POISONING
A65-80107
- ELECTROENCEPHALOGRAM CHANGES IN CHEMICAL
FACTORY WORKERS FOLLOWING CARBON DISULFIDE
POISONING AS RELATED TO TIME SINCE
LAST EXPOSURE AND AGE A65-80229
- ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC,
AND TOXICOLOGIC OBSERVATIONS A65-80820
- TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY
VARIOUS ORGANIC AND INORGANIC COMPOUNDS
A65-81019
- OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND
CARBON DIOXIDE A65-81205
- CEREBRAL VASCULAR LESION IN CARBON DISULFIDE
POISONING - CASE HISTORY A65-81693
- USE OF PYRIDOXINE HYDROCHLORIDE IN ACUTE HYDRAZINE
AND UNSYMMETRICAL DIMETHYL HYDRAZINE /AEROZINE-50/
INTOXICATION IN MAN A65-81712
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO
TRICHLOROETHYLENE INTOXICATION A65-82094
- GENERAL IMMUNOLOGICAL RESPONSE AND DISEASE
INCIDENCE IN WORKERS EXPOSED TO CARBON DISULFIDE
FUMES. A65-82244
- ENZYME INDUCTION AND CORTISONE PROTECTION IN
ENDOTOXIN-POISONED MICE
AAL-TDR-64-8 N65-30826
- POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE
- JPRS-32340 N65-36205
- POLAR REGION**
PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW
TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND
POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/162 N65-17083
- HEMODYNAMIC CHANGES IN HUMAN BLOOD DURING POLAR
WINTER
FTD-TT-64-285/1 N65-19194
- MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA
AND OTHER POLAR REGIONS
AAL-TDR-64-28 N65-19970
- POLARIZATION**
MORPHOLOGY AND POLARIZATION OF HAIR CELLS OF
VESTIBULAR END ORGAN A65-81721
- POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING
RADAR TARGET DETECTION
AMRL-TR-64-82 N65-13995
- POLAROGRAPHY**
POLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN
TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING
CONDITIONS A65-80090
- POLAROGRAPHIC DETERMINATION OF OXYGEN CONTENT AND
CAPACITY IN BLOOD SAMPLE A65-81637
- POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING
ORGANISM N65-17768
- POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND
EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES
SAM-TR-64-75 N65-23589
- SCIENTIFIC CONFERENCE - POLAROGRAPHIC
DETERMINATION OF OXYGEN METABOLISM IN TISSUES
N65-24878
- BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD
CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH
JPRS-30405 N65-24889
- 20-CATHODE MULTIPOLAROGRAPH INSTRUMENTATION
AND BIOLOGICAL APPLICATIONS N65-24892
- IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS,
OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY,
MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND
SPECTROPHOTOMETRY
EUR-2402.F N65-29855
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN
SPLEEN AND VENA CAVA OF MICE INJECTED WITH
SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION
SAM-TR-65-13 N65-30506
- POLLUTION**
SA AIR POLLUTION
- GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479
- CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL
EFFECT OF SMALL CONCENTRATION ON MAN
N65-24939
- POLYESTER**
DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS
AND AMMONOLYSIS N65-23936
- POLYMER**
RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
RATS A65-20937
- RANDOM POLYMERS AS A MATRIX FOR CHEMICAL
EVOLUTION - EXAMPLE OF MELANIN A65-80467
- RECOGNITION OF HEREDITARY ORDER IN PRIMITIVE
CHEMICAL SYSTEMS, HEREDITARY TRANSFER IN
COPOLYMERS A65-80487
- SYNTHESIS OF AMINO ACIDS AND POLYPEPTIDES

POLYMER CHEMISTRY

SUBJECT INDEX

- NASA-CR-53134 N65-17054
- PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS N65-28296
- RADIATION EFFECTS THRESHOLDS OF ELECTRONIC EQUIPMENT AND STRUCTURAL MATERIALS - METALS, POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC COMPONENTS N65-34587
- POLYMER CHEMISTRY**
- POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL TRANSITIONS IN MACROMOLECULES N65-25028
- POLYMER CHEMISTRY PROGRESS IN SURGERY USING POLYVINYL ALCOHOL PLASTICS JPRS-30864 N65-27067
- POLYMERIZATION**
- RANDOM POLYCONDENSATION OF CARBOHYDRATES IN RELATION TO POLYMERIZATION AND ABIOTIC GENESIS A65-80480
- POLYNUCLEOTIDE**
- SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-LIKE SYSTEM A65-80482
- RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS, ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS, BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES, SYNTHESIS OF TRACERS, AND INSTRUMENTATION ACRH-22 N65-15627
- SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND METABOLISM OF NUCLEIC ACID - ANIMAL STUDY N65-28708
- POLYSACCHARIDE**
- PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE, AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED BY ANOXIA IN DECOMPRESSION CHAMBER A65-81841
- POLYVINYL ALCOHOL**
- POLYMER CHEMISTRY PROGRESS IN SURGERY USING POLYVINYL ALCOHOL PLASTICS JPRS-30864 N65-27067
- POPULATION**
- EMPIRICAL EVALUATION OF THEORETICAL MODEL OF LATENT CLASS ANALYSIS TO DETERMINE IF POPULATION OF RESPONDENTS CAN BE DIVIDED INTO FINITE NUMBER OF GROUPS OR CLASSES - COMPUTER PROGRAMMING NASA-CR-63870 N65-28868
- PORPHYRIN**
- SA CHLOROPHYLL
SA HEMOGLOBIN
- PORPHYRIN PIGMENTS FORMED BY GREEN SULFUR BACTERIA DETERMINED FOR INVESTIGATING STRUCTURE AND TRACTS OF BACTERIOVIRIDIN BIOSYNTHESIS A65-27775
- PROBABLE SYNTHESIS OF PORPHINE-LIKE SUBSTANCES DURING CHEMICAL EVOLUTION A65-80478
- POSITIONING**
- HELICOPTER VIBRATION EFFECT ON PILOT ACCURACY IN POSITIONING TASK A65-32984
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL THORACIC REGIONS AMRL-TR-64-133 N65-22476
- POSITIONING EQUIPMENT**
- COMPARISON OF FREE-MOVING AND PRESSURE LEVERS IN POSITIONAL CONTROL SYSTEM DURING PURSUIT TRACKING TASK A65-80943
- POSITIVE FEEDBACK**
- S REGENERATION
- POST-BLAST NUCLEAR RADIATION**
- POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
- IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER SAM-TDR-64-62 N65-17438
- IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR RADIATION EXPOSURE CONTROL COUNTERMEASURES RELATIVE TO VARIOUS POST-ATTACK CONDITIONS GTC-54-63-64 N65-33623
- POSTURE**
- SA ORTHOSTATIC TOLERANCE
- BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC PERCEPTION OF VERTICALITY A65-80018
- PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT POSTURAL POSITIONS A65-80129
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL HEMODYNAMICS A65-80175
- OXYGEN COST OF WORK PERFORMED IN DIFFERENT POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST GRAVITY A65-80384
- OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY CHANGING POSITIONS OF ASTRONAUTS AND USING INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT CAUSED BY WEIGHTLESSNESS A65-80412
- FOREARM POSITION VARIATION EFFECT ON ELBOW FLECTION DURING CHINNING EXERCISE A65-80521
- SENSORY PERCEPTION AND SPATIAL ORIENTATION CONCERNING BODY POSTURE IN SEALED CABIN A65-80553
- SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF REPORT, AND ANXIETY A65-80561
- POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN A65-80665
- SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD AND SPATIAL DIRECTION OF STIMULUS OBJECT A65-80735
- STUDY OF TREMOR IN HUMAN POSTURE MECHANISM A65-80749
- CALCULATION OF PHYSIOLOGICAL TREMOR BASED ON WORK OF MOTOR UNITS IN MAN A65-80750
- VARIATIONS IN TREMOR FREQUENCY RANGE WITH TYPE OF MOTOR UNIT WORK IN MAINTAINING POSTURE A65-80751
- QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS A65-80753
- HUMAN POSTURE AND MUSCULAR SYSTEM IN RELATION TO GRAVITY A65-80987
- CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE A65-81011
- ROENTGEN STUDIES IN MAN OF RELATIONSHIP OF UNEQUAL PULMONARY VENTILATION TO GRAVITY, AND POSTURE A65-81101
- EYE AND OTOLITHS A65-81113
- SYMPATHETIC NERVOUS SYSTEM FUNCTION REVEALED BY PLASMA FREE FATTY ACID RESPONSES TO TILTING FOLLOWING WATER IMMERSION A65-81136
- SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND

SUBJECT INDEX

POWER SUPPLY

VENTILATION OF SUBJECTS IN STANDING, SITTING, AND SUPINE POSITIONS A65-81179

EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS AND POSTURES A65-81246

OXYGEN CONSUMPTION IN STANDING AND SUPINE POSITIONS A65-81273

INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF BREATHING A65-81274

ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL FORCE A65-81291

PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY. I. EVALUATION IN LYING AND SITTING POSITIONS USING BED OF SPRINGS AND NAILS A65-81310

COMPARATIVE ANALYSIS OF PROPRICEPTION IN LEFT AND RIGHT ARMS A65-81409

TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS ON CUTANEOUS INFORMATION PROCESSING A65-81645

EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND CIRCULATION A65-81718

BACKACHE IN AIRPLANE AND HELICOPTER FLYING PERSONNEL RESULTING FROM ACCIDENTS, INCREASING AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY A65-81818

CEREBRAL BLOOD FLOW DURING CHANGES IN BODY POSITION IN DOGS A65-81858

STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY RESPIRATION, POSTURE, AND VASCULAR OCCLUSION MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899

ELECTROCARDIOGRAM QRS COMPLEX ELECTRICAL AXIS AS AFFECTED BY POSTURE AND GASTRIC DILATION A65-82101

RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN DOG DURING CHANGE FROM SUPINE TO ERECT POSITION AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING WEIGHTLESSNESS SIMULATION A65-82115

POSTURE, TOWER TRAINING, AND AGE OF FLYING PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF SPINE DURING EJECTION A65-82125

PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF POSITIVE ACCELERATION A65-82145

PULMONARY CIRCULATION IN ERECT HUMAN LUNG A65-82150

ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE POSITION DURING EXPOSURE TO FORWARD ACCELERATION A65-82153

INTRAPULMONARY PRESSURE OF BREATHHOLDING SUBJECTS LYING AND SITTING IN AIR AND WATER A65-82158

CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID, CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT DIFFERENT LOADS A65-82165

RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION WITH OR WITHOUT OXYGEN BREATHING A65-82220

CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF LOWER BODY IN SUPINE POSITION TO NEGATIVE PRESSURE. A65-82253

PULMONARY FUNCTION IN SITTING OR HORIZONTAL POSITION DURING BED REST A65-82312

COMPARATIVE EFFECTS OF PROLONGED ROTATION ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND DEFECTIVE HUMAN SUBJECTS NASA-CR-63799 N65-28350

COMPARATIVE EFFECTS OF PROLONGED ROTATION AT 10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS NASA-CR-67122 N65-36440

POTABLE WATER
THERMOELECTRIC SYSTEM FOR WATER RECLAMATION FROM URINE
AMRL-TR-65-29 N65-29615

POTASSIUM
CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM A65-81398

FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH RADIOACTIVE POTASSIUM 42 A65-81543

POTASSIUM ION AS VASODILATOR DURING MUSCULAR EXERCISE IN CATS. A65-82067

FUNCTIONAL CAPACITY OF HEART IN EXPERIMENTAL HYPOKALEMIA IN MAN A65-82228

EFFECT OF POTASSIUM ION CONCENTRATION ON ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES OF GRAPE SNAIL N65-32661

POTASSIUM COMPOUND
ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL SYSTEM A65-81251

COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT VARIOUS OXYGEN PRESSURES N65-17816

POTENTIAL
S ELECTRIC POTENTIAL
S MYOELECTRIC POTENTIAL

POTENTIAL FIELD
LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE, NUCLEAR POTENTIALS AND PULSATING MODELS A65-31029

POTENTIAL PROBLEM
COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL ACTIVITY INCLUDING BACKGROUND EEG AND REACTION TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS N65-28777

POTENTIAL THEORY
ANALOG COMPUTER MECHANIZATION OF HODGKIN- HUXLEY EQUATIONS OF ACTION POTENTIALS FOR GIANT SQUID AXONS AD-608156 N65-11667

POWER
S ENERGY
S NUCLEAR POWER
S STOPPING POWER

POWER DENSITY
REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR ROCKET REACTOR N65-10875

ANALOG POWER SPECTRAL DENSITY ANALYSIS OF ELECTRORETINOGRAM DATA
NASA-CR-64330 N65-30840

RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS MEASURED FOR EVALUATING WORKING CONDITIONS OF AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/1&4 N65-32289

POWER SUPPLY
TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY AND RADIOPROBE FOR DETECTING FOREIGN BODIES
JPRS-29954 N65-23446

- TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON
UNIVERSAL POWER SUPPLY N65-23447
- POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE
DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION
OF HABITABLE GASES - MANNED SPACECRAFT
APPLICATION
AMRL-TR-65-26 N65-30853
- PPI
S PLAN POSITION INDICATOR /PPI/
- PRACTICE
SA MEMORY
SA TRAINING
- TASK COMPLEXITY AND PRACTICE - EFFECTS
ON PERFORMANCE AFTER LOSS OF SLEEP
A65-80341
- PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE,
SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626
- BLINKING REFLEX AS INDICATOR OF DEGREE OF SKILL
ATTAINED IN PRACTICE OF VISUAL-MOTOR TASK
A65-82174
- PRECIPITATION
STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN
PRECIPITATION, SOIL, SEA WATER, VEGETATION,
ANIMALS, AND DRINKING WATER IN GREENLAND
RISO-87 N65-18474
- PREDICTION THEORY
PREDICTING DECISION MAKING BEHAVIOR FROM
PERSONALITY AND COGNITIVE VARIABLES
ESD-TDR-64-619 N65-17012
- INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTI-AIRCRAFT WARFARE
REPT.-567-R-2 N65-28334
- PREDICTOR
PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS
PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- PREFLIGHT OPERATION
PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS
PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- PRESERVATION
SA FROZEN FOOD
- ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- PRESSURE
SA ATMOSPHERIC PRESSURE
SA BARORECEPTOR
SA BLOOD PRESSURE
SA CHAMBER PRESSURE
SA HYDROSTATIC PRESSURE
SA INTRACRANIAL PRESSURE
SA INTRAOCULAR PRESSURE
SA MIDDLE EAR PRESSURE
SA PARTIAL PRESSURE
SA WATER PRESSURE
SA WIND PRESSURE
- SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON
MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED
MEASUREMENTS OF PULMONARY CARBON MONOXIDE
DIFFUSION CAPACITY DURING EXERCISE IN MAN
A65-81321
- INFLUENCE OF INSPIRED ALVEOLAR NITROGEN
CONCENTRATION AND ENVIRONMENTAL PRESSURE UPON RATE
OF GAS ABSORPTION FROM CLOSED AREA OF LUNG IN DOG
A65-82121
- CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF
LOWER BODY IN SUPINE POSITION TO NEGATIVE
PRESSURE. A65-82253
- ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED
BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM
DUE TO OXYGEN STARVATION N65-25026
- PRESSURE APPARATUS
PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820
- PRESSURE BREATHING
SA EMERGENCY BREATHING TECHNIQUE
- CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN
PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN
AT UP TO TWO ATMOSPHERES A65-80052
- FUNCTIONAL EVALUATION OF PRESSURE BREATHING -
MEASUREMENT OF PULMONARY DIFFUSION CAPACITY
A65-80110
- SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112
- ACUTE AND CHRONIC EFFECTS IN RAT EXPOSED TO
OXYGEN AT HIGH PRESSURE A65-80142
- DECOMPRESSION SICKNESS TREATED WITH COMPRESSION
A65-80146
- RESPIRATORY SYSTEM RESPONSE IN GUINEA PIG TO
BREATHING 100% OXYGEN AT 1 ATMOSPHERE PRESSURE
A65-80554
- RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION
WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS
AMBIENT PRESSURES A65-80669
- RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION A65-80883
- CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE
BREATHING IN HYPOTHERMIC DOGS A65-81608
- EFFECT OF BREATHING UNDER PRESSURE ON VISION IN
HUMAN SUBJECTS A65-81942
- CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156
- PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING
INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING
EQUIPMENT A65-82362
- OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION
IN RESPIRATION UNDER EXCESS PRESSURE
N65-17808
- DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS
DURING POSITIVE PRESSURE BREATHING
AMRL-TR-64-141 N65-30345
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TM-X-51649 N65-35262
- PRESSURE CHAMBER
TREATMENT OF ACUTE CARBON MONOXIDE POISONING WITH
PURE OXYGEN IN PRESSURE CHAMBER
A65-80282
- ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651
- PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING
MIXTURES, HIGH CARBON DIOXIDE BREATHING
MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL
TRACT, AND ACCELERATION EFFECT ON REFLEXES
N65-13708
- PRESSURE DISTRIBUTION
PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY.

- I. EVALUATION IN LYING AND SITTING POSITIONS USING
BED OF SPRINGS AND NAILS A65-81310
- PRESSURE EFFECT
MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY
VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS A65-31019
- APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND
GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED
IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS A65-80266
- BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW
RELATIONS OF WHOLE DOG LUNG A65-80664
- RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY
HYPERBARIC OXYGENATION A65-80757
- MANUAL DEXTERITY AND ARITHMETIC CALCULATION
CAPACITY DURING REST AND EXERCISE IN HYPERBARIC
AIR A65-81203
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION A65-81204
- RISKS OF HIGH PRESSURE OXYGEN THERAPY A65-81261
- HUMAN PERFORMANCE WHILE EXERCISING IN ARTIFICIAL
ATMOSPHERE UNDER PRESSURE EQUIVALENT TO 200 FEET
OF SEA WATER REPT.-419 N65-13111
- LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE
AND CYTOCHEMISTRY IN PLANTS NASA-CR-55179 N65-17055
- PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY
BLOOD FLOW AMRL-TR-64-94 N65-19148
- EFFECTS OF INCREASING PRESSURE OF VARYING
DURATION ON RATS ISL-2/64 N65-19833
- RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND
RATE OF PRESSURE CHANGE IN RIGHT AND LEFT
VENTRICLES NASA-TT-F-9384 N65-27686
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND
EXTERNAL PRESSURE IN RABBITS FTD-TT-65-307/1&2&4 N65-30927
- PRESSURE GRADIENT
WATER IMMERSION EFFECT ON HUMAN BODY IN
WEIGHTLESSNESS SIMULATION, NOTING THORACIC
PRESSURE GRADIENT A65-30349
- PRESSURE MEASUREMENT
SA IMPEDANCE MEASUREMENT
MEASUREMENT OF INTRABRONCHIAL PRESSURE IN MAN A65-81632
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS AMRL-TR-64-133 N65-22476
- PRESSURE OSCILLATION
LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS
EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE,
NUCLEAR POTENTIALS AND PULSATING MODELS A65-31029
- PRESSURE WAVE
NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE
WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
NASA-TT-F-9578 N65-36751
- PRESSURIZED CABIN
BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO
45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS
AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK
ROLE A65-24075
- HUMAN REACTIONS IN PRESSURIZED CABIN IN SIMULATED
SPACE ENVIRONMENT AND IN ARTIFICIAL ATMOSPHERE
DURING PROLONGED SPACE FLIGHT JPRS-27286 N65-10035
- EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE N65-13665
- HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS N65-13675
- PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH
ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE
OF AIR PRESSURE FTD-TT-65-258/1&2 N65-25341
- PRESSURIZED SUIT
MONITORING TECHNIQUES FOR DETERMINING
PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS
ON HUMAN PERFORMANCE A65-10694
- APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING
PRESSURE SUIT FOR LUNAR SURFACE USE NYAS PAPER TP 65-01 A65-17201
- X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING
BIONSTRUMENTATION AND TELEMETRY, PRESSURE SUIT
DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT
PERFORMANCE A65-22688
- WATER VAPOR CONTENT FOR HUMAN COMFORT AND THERMAL
BALANCE IN SEALED CABINS AND PRESSURE SUITS A65-28379
- PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS
OF PRESSURIZED SUITS A65-80120
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED
REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- DEVELOPMENT AND HISTORY OF PRESSURE SUIT FOR HIGH
ALTITUDE FLYING A65-80624
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING
ANTI-G SUITS RELATED TO PULMONARY CAPILLARY
CIRCULATION A65-80872
- PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS A65-80874
- WILEY POST- HISTORICAL FIRST TEST OF HIGH
ALTITUDE PRESSURE SUITS IN UNITED STATES A65-81399
- SOVIET HIGH ALTITUDE PRESSURE SUIT DEVELOPMENT
FROM 1934-1955 A65-81972
- EVALUATION OF PRESSURE SUIT COOLING SYSTEMS IN
HOT ENVIRONMENTS A65-82124
- EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES
FROM HEAT EXCHANGES OF PRESSURIZED SUITS
SAM-TDR-64-66 N65-16299
- NONEXTENSION LINES FOR IMPROVEMENT OF MOBILITY
IN FULL PRESSURE SUITS AMRL-TR-64-118 N65-17139
- PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE
FLIGHT NASA-TT-F-9257 N65-18180
- DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH

PREVENTION

SUBJECT INDEX

- HUMAN SKIN SURFACE
JPRS-29142 N65-19326
- HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY SEALED CABINS FOR STRATOSPHERIC FLIGHTS
ATD-P-65-13 N65-19784
- PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT UNDER SPACE AND TIME LIMITATIONS
NAEC-ACEL-527 N65-21059
- COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE PILOTS WEARING FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT
AAL-TDR-64-23 N65-24082
- PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY SUBJECT - HUMAN ENGINEERING
AMRL-TR-64-126 N65-24360
- PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE OF AIR PRESSURE
FTD-TT-65-258/162 N65-25341
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT - LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN PERFORMANCE
LMSC-6-62-64-19 N65-31557
- COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A FULL PRESSURE SUIT ASSEMBLIES
AMRL-TR-65-86 N65-31630
- THERMAL EVALUATION OF FOOTGEAR ASSOCIATED WITH FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT
AAL-TR-64-25 N65-33319
- PREVENTION
S ACCIDENT PREVENTION
S FIRE PREVENTION
- PRINCIPLE
S VARIATIONAL PRINCIPLE
- PRISM
TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT SELF PRODUCED MOVEMENTS
NASA-CR-58609 N65-29386
- PROBABILITY
PROBABILITIES CONCERNING ORIGIN AND EVOLUTION OF LIFE
A65-81738
- PROBABILISTIC MODEL FOR FREE RESPONDING
AFOSR-65-0288 N65-22808
- DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS
ESD-TDR-64-192 N65-25943
- PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE CATEGORIES
ORC-65-4 N65-26585
- INFLUENCE OF EXPERIENCE AND INPUT INFORMATION FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN SIMULATED THREAT-DIAGNOSIS SYSTEM
AMRL-TR-65-25 N65-27188
- PROBABILITY DISTRIBUTION
PROBABILITY DISTRIBUTION OF ACCUMULATED RADIATION DOSE IN BLOOD DIVERTED THROUGH SHUNT
D1-82-0362 N65-10964
- STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD TO ERROR PROBABILITIES - DERIVATION OF BETA BINOMIAL PROBABILITY FUNCTION
ESD-TDR-64-605 N65-26109
- PROBABILITY THEORY
MULTIPLICATIVE PROBABILITY MODEL DEVELOPMENT FOR PREDICTING HUMAN RELIABILITY IN MAN-MACHINE SYSTEM, USING PROBABILITY TREE
A65-34677
- APPLICATION OF PROBABILITY THEORY TO SPECULATIONS ON ORIGIN OF LIFE
A65-80468
- MATHEMATICAL LOGIC AND PROBABILITY THEORY OF CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
JPRS-31926 N65-32762
- PROBE
S RADIO PROBING
S SPACE PROBE
- PROBLEM
S OPERATIONAL PROBLEM
S POTENTIAL PROBLEM
- PROBLEM SOLVING
PROBLEM-SOLVING ABILITY OF YOUNG, MIDDLE-AGED, AND OLD MALES
A65-80655
- WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND LEADERSHIP
A65-81126
- PROBLEM SOLVING ON STOCHASTIC PROCESS - MONITORING OF COMPUTER SOLUTIONS BY MAN
A65-81225
- MILD STRESS RELATED TO INTERFERENCE OF PROBLEM-SOLVING
A65-81579
- SELECTION STRATEGIES IN CONCEPT ATTAINMENT AS FUNCTION OF NUMBER OF PERSONS AND STIMULUS DISPLAY
A65-82058
- INFORMATION THEORY APPLICATION TO MEMORY AND THOUGHT IN HUMAN INTELLECTUAL PERFORMANCE
A65-82110
- PROCESS
S PERIODIC PROCESS
S STOCHASTIC PROCESS
- PROCESSING
S DATA PROCESSING
S INFORMATION PROCESSING
- PROCHLORPERAZINE
AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON OF CHLOROPROMAZINE, PROCHLORPERAZINE, AND AMOBARBITAL FOR IN-FLIGHT MANAGEMENT
A65-80130
- PRODUCTION
S GENERATION
S OXYGEN PRODUCTION
- PRODUCTION ENGINEERING
VERY HIGH FREQUENCY SILICON POWER TRANSISTOR MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY AND PROCESS MANUAL
TE-4000-15-F N65-19005
- PROFICIENCY MEASUREMENT
POSTFLIGHT URINARY DETERMINATIONS USED FOR EVALUATING FLIGHT STRESS IN PILOTS IN RELATION TO FLYING PROFICIENCY
SAM-TR-64-88 N65-31787
- PROGRAM
S COMPUTER PROGRAM
S INSTRUMENTATION PROGRAM
S LUNAR PROGRAM
S NASA PROGRAM
S PLOWSHARE PROGRAM
S ROLLER COASTER OPERATION
S SPACE PROGRAM
S SPACE VEHICLE CHECKOUT PROGRAM
S TEST PROGRAM
- PROGRAM MANAGEMENT
INDUSTRIAL HYGIENE SUPPORT IN MISSILE PROGRAM THROUGH ELIMINATING HEALTH HAZARDS
A65-80620
- PROGRAMMING
SA CODING
SA COMPUTER PROGRAMMING
SA LINEAR PROGRAMMING
SA ON-LINE PROGRAMMING
- PROGRAMMED INSTRUCTION AND TEACHING MACHINES

SUBJECT INDEX

PROTECTION

DAR-64-10 N65-10496 A65-81002

ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND
EDUCATION SYSTEMS
AMRL-TR-64-89 N65-11082 A65-81409

PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129 N65-24418 A65-81506

THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL
FACTORS WHICH AFFECT THERMOREGULATION - STUDIES
USING LAWS OF CYBERNETICS N65-24876 A65-81878

ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL
SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM
N65-28752

PROJECT
S APOLLO PROJECT
S BIOGOURIER PROJECT
S GEMINI PROJECT
S MERCURY PROJECT
S RESEARCH PROJECT

PROMETHAZINE
ACETYLCOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT A65-80141

PROPAGATION
SA ELECTROMAGNETIC PROPAGATION
SA NOISE PROPAGATION
SA SOUND PROPAGATION

SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE
PROPAGATION AND TRANSCRIPTION, DUAL
TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM,
AND PROTOPLASM
UCRL-14254 N65-31001

PROPELLANT
SA BIPROPELLANT
SA LIQUID PROPELLANT
SA SOLID PROPELLANT
SA STORABLE PROPELLANT

TOXICOLOGICAL ASPECTS OF MISSILES AND
CONTAMINATION IN CLOSED SPACE OF SUBMARINES
A65-81237

AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY A65-82239

PROPELLANT PROPERTY
STORABLE PROPELLANT UTILIZATION EXTENDED TO
INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL
AND WATER AND POWER PRODUCTION
AIAA PAPER 64-213 A65-24446

PROPELLANT STORABILITY
SA STORABLE PROPELLANT

CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE
ROCKET BIPROPELLANTS FOR LIFE SUPPORT, INCLUDING
ATMOSPHERE AND CONTAMINANT CONTROL
A65-14234

PROPELLANT TESTING
PREDICTION AND VERIFICATION OF ROCKET PROPELLANT
TEST FIRINGS AS RELATED TO AIR POLLUTION
A65-80220

PROPERTY
S CHEMICAL PROPERTY
S DYNAMIC PROPERTY
S ELECTRIC PROPERTY
S MECHANICAL PROPERTY
S OPTICAL PROPERTY
S PHYSICAL PROPERTY
S PROPELLANT PROPERTY
S THERMAL PROPERTY

PROPRIOCEPTION
SA SENSORY PERCEPTION

TESTS OF FUNCTION OF PROPRIOCEPTION - INTERACTION
BETWEEN PROPRIOCEPTION AND VISION

COMPARATIVE ANALYSIS OF PROPRIOCEPTION IN LEFT
AND RIGHT ARMS A65-81409

ROLE OF CORNEO-CONJUNCTIVAL SENSITIVITY IN
AWARENESS OF EYE MOVEMENT DURING VESTIBULAR
NYSTAGMUS A65-81506

EFFECT OF PROPRIOCEPTIVE STIMULATION ON HUMAN
MUSCLE ACTION BASED ON ELECTROMYOGRAPHIC STUDIES
A65-81878

PURSUIT TRACKING PERFORMANCE RELATED TO
CONTROL-DISPLAY COMPATIBILITY, HANDEDNESS, SEX AND
PROBABILITY A65-82111

ANALYSIS OF VISUAL AND PROPRIOCEPTIVE COMPONENTS
OF MOTOR SKILL USING NITROUS OXIDE A65-82112

ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH
VARIED EFFERENT INPUT A65-82215

PROPULSION SYSTEM
CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143

PROSTHETICS
UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598

UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING,
SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL
REPT.-64-30 N65-18929

BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY
PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN
OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND
ELECTROMYOGRAM CONTROL STUDIES
REPT.-65-14 N65-24004

UPPER EXTREMITY PROSTHETICS - SENSORY MOTOR
CONTROL - PERFORMANCE OF HUMAN OPERATORS OF
TRACKING SYSTEMS - MYOELECTRIC CONTROL SYSTEMS
REPT.-65-31 N65-34133

PROTECTION
SA ACCELERATION PROTECTION
SA EAR PROTECTOR
SA EYE PROTECTION
SA METEOROID PROTECTION
SA RADIATION PROTECTION
SA THERMAL PROTECTION
SA VIBRATION PROTECTION

FACTORS IN ESTABLISHING TOLERANCE LEVELS IN IMPACT
TO HUMAN BODY AND PROTECTION OF SEAT CUSHION AND
HELMET - ACCELERATION STRESS A65-80023

HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA
A65-80187

PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS A65-80874

TECHNICAL PROBLEMS AND MEANS OF PROTECTION AGAINST
SOLAR RADIATION A65-80967

PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST
ANOXIA IN MICE A65-81209

INVESTIGATIONS INTO PROTECTIVE ACTION OF
ANESTHETICS AGAINST ANOXIA IN MICE
A65-81210

A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
SAFE OPERATION TIME AS AFFECTED BY SIZE OF
SUBJECTS PERFORMING TRACKING PROBLEM UNDER
ACCELERATION STRESS A65-81373

SONIC BOOM - STRUCTURAL STABILITY AND
PHYSIOLOGICAL HAZARDS AND PROTECTIVE MEASURES

PROTECTIVE CLOTHING

SUBJECT INDEX

A65-81997

FACTORS FOR SURVIVAL AND PROTECTION FROM IMPACT INJURY - STUDY OF CASES OF WATER IMPACT A65-82120

PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO IMPULSE NOISE A65-82297

SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE LIMITS FOR CREW PROTECTION N65-34591

PROTECTIVE CLOTHING
SA FLIGHT CLOTHING
SA SPACE SUIT

IMPACT TESTING OF HELMETS BY SWINGAWAY AND ANVIL METHODS TO DETERMINE CAPABILITY TO ABSORB MULTIPLE BLOWS A65-11395

GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL AGAINST TOXICITY OF PROPELLANTS A65-11400

THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH ALTITUDE A65-80119

HUMAN ENGINEERING AND AEROSPACE MEDICINE AS RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT, ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION AND EVALUATION TECHNIQUES A65-80138

PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY MECHANICS A65-81035

COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS A65-81222

VENTILATED CLOTHING AND UMBRELLA TO PROTECT INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION A65-81789

VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT THERMAL ENVIRONMENT
AECL-2123 N65-15634

BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2 N65-19004

CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY GAS MASKS AND PROTECTIVE CLOTHING
FTD-TT-64-998/1&2 N65-20024

G-SUITS AND PROTECTIVE HELMETS FOR INCREASING ENDURANCE OF PILOTS
JPRS-30380 N65-24696

ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL FLIGHT SUIT FOR PROTECTION FROM COLD DURING IMMERSION IN WATER
TAC-TR-63-31/D/ N65-27567

ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING NEAR OR ON GROUND N65-28452

WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE CLOTHING
RAE-TN-MECH-ENG-400 N65-29605

MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT N65-29750

COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL AND REVIEW OF BODY HEAT CONTROL SYSTEM N65-29768

PROTEIN
SA ALBUMIN
SA CHLOROPHYLL
SA ENZYME
SA HEMOGLOBIN

SA PEPSIN
SA PEPTIDE
SA SERUM

MODIFIED PHYCOERYTHRIN SEPARATION FROM PORPHYRIDIUM CRUENTUM TREATED WITH P-CHLOROMERCURIBENZOATE AND INTERACTION WITH GLUTATHIONE A65-13547

LIFE ORIGIN THEORIES EMPHASIZING AMINO ACIDS COMMON TO PROTEIN AND MODULATION OF PROTEIN INTO PRIMITIVE CELLS A65-16244

X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF BLOOD A65-24296

COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN FAT OF HAMSTERS A65-80096

SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN CONNECTION WITH CHLOROPLAST FORMATION IN GREEN ALGA, CHLORELLA PROTOTHECOIDES A65-80937

PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA 71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS AND LIGHT A65-81976

SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-COLLIP DRUM TRAUMA OR HYDROCORTISONE ADMINISTRATION, IN YOUNG AND OLD RATS A65-82090

PROTEIN BIOSYNTHESIS PROBLEMS
FTD-TT-63-1219/1&2 N65-12032

PROTEINS IN MANNED SPACE FLIGHT NUTRITION N65-18579

LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477

RADIATION EFFECTS ON PROTEIN MOLECULES AND NUCLEIC ACIDS IN SOLUTION AND ON INTERFACES N65-23453

IONIZING RADIATION EFFECT ON CELLULAR PROTEIN SYNTHESIS N65-23455

X-RAY AND AMINO ACID ANALOG EFFECT ON DNA SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS N65-23459

PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON RATS EXPOSED TO WARM AND COLD CONDITIONS
AAL-TDR-64-15 N65-24593

POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL TRANSITIONS IN MACROMOLECULES N65-25028

EXCITATION STATE OF CENTRAL NERVOUS SYSTEM REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD SERUM PROTEINS - ELECTROKINETICS N65-25615

MICROBIOLOGICAL SYNTHESIS IN INDUSTRY AND PROTEIN BIOSYNTHESIS
JPRS-30486 N65-25722

PROTEIN BIOSYNTHESIS FROM GENETIC CODING TO SYNTHESIS OF PROTEIN IN RIBOSOMES AND RIBOSOMAL STRUCTURE N65-25724

PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440 N65-25850

DIFFERENTIAL DISTRIBUTION OF RNA AND PROTEIN IN RIBOSOMAL FRACTIONS OF ESCHERICHIA COLI
NASA-CR-59068 N65-29388

QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR DETECTION OF SMALL DIFFERENCES IN PROTEIN STRUCTURE
NASA-CR-58660 N65-29652

COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN STRUCTURE AND FUNCTION OF COPPER ENZYMES

- FSU-2690-21 N65-34320
PREPARATION OF LABELLED PROTEINS AND PEPTIDES
EUR-1845-F N65-36377
- PROTEIN METABOLISM**
EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND
LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC
FIELD A65-26302
SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE A65-80111
PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN
MOUSE A65-80114
ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN
SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO
CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY
TESTED WITH PROTEIN A65-80177
HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN
METABOLISM AND ENZYME ACTIVITY OF DOG HEART
MUSCLE A65-80178
CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS
ORGANS AND PROTEIN METABOLISM DURING PHYSICAL
EXERCISE IN RATS A65-80836
GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC
CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA
A65-81177
LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN
SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE
DURING AND FOLLOWING PHYSICAL ACTIVITY A65-81352
HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN
SYNTHESIS IN RAT TISSUES A65-81473
SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING
GAMMA RADIATION EXPOSURE IN RABBITS A65-82240
EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82248
HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS
INFECTION AND CONTROLLED FEVER IN CHIMPANZEES
N65-22761
- PROTEINOID**
CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS A65-25243
MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED
FROM PROTEINOID A65-80485
REVIEW OF EXPERIMENTS DEALING WITH DEVELOPMENT OF
MICROSPHERES FROM THERMAL PROTEINOID A65-80486
CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319
CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING
EXPERIMENTATION WITH RATS N65-18597
SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION
NASA-CR-56268 N65-22180
- PROTON**
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS A65-80539
- REGENERATION OF BONE MARROW AFTER IRRADIATION BY
600 MEV PROTONS AND X-RAY IN ALBINO MICE A65-81627
BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
PROTON TUNNELING AND OTHER MECHANISMS OF
MUTATION N65-10114
THEORETICALLY CALCULATED VALUES OF IONIZATION
INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND
COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3 N65-29924
BIOLOGICAL EFFECT OF PROTONS - EFFECT OF
RADIATION PROTECTIVE SUBSTANCES ON AFTERGLOW OF
IRRADIATED SOLUTIONS OF SERUM ALBUMIN - MUSCULAR
SYSTEM EXCITATION DISTRIBUTION JPRS-31547 N65-31038
COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER N65-31039
BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN
LARGE ANIMALS - RADIATION EFFECTS N65-34583
BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA
PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585
QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN N65-34605
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO
SPACE RADIATION - HIGH ENERGY PROTONS N65-34607
PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS N65-34611
ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND
SPHERICAL MULTILAYER SHIELDING FOR CALCULATION
OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE
N65-34629
CALCULATION OF PROTON PENETRATION AND DOSE RATES
FOR TISSUE, ALUMINUM, AND OTHER SHIELDING
MATERIALS N65-34630
LOCAL DOSE FROM PROTON AND ALPHA PARTICLE ENDERS
BEHIND COMPLEX SHIELDING N65-34631
RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND
ALPHA PARTICLES - RADIATION DOSE CALCULATIONS
N65-34632
- PROTON BEAM**
ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR
IONIZING RADIATION - LINEAR ENERGY TRANSFER
SPECTRUM OF HETEROGENEOUS PROTON BEAM
NASA-CR-51826 N65-16483
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE
FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF
CURRENT-TO-DOSE CONVERSION FACTORS N65-34597
- PROTON IRRADIATION**
CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL
CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE
LEVELS A65-14804
HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON
SEEDS OF BARLEY AND LILUM REGALE A65-80843
EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON
CHROMOSOMES OF PLANT SEEDS A65-81601

- BLASTOGENIC ACTION OF HIGH ENERGY PROTONS IN RATS A65-81711
- COMPARATIVE STUDY OF DAMAGE TO HEMOPOIETIC SYSTEM AND PARTICULATE COMPONENTS OF PERIPHERAL BLOOD BY HIGH ENERGY PROTONS AND GAMMA RADIATION IN RATS A65-82179
- NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH ENERGY PROTONS IN DOGS A65-82241
- TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON IRRADIATION ON RATS JPRS-27343 N65-10653
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE FLIGHT N65-13632
- RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- PROTON IRRADIATION EFFECT ON LIVING TISSUE NASA-CR-52679 N65-17289
- RADIATION DEPTH DOSE FROM INCIDENT ISOTROPIC FLUX OF MONOENERGETIC PROTONS IN ARBITRARY SIZE SPHERES WITH TISSUE-EQUIVALENT MATERIAL UCRL-10980 N65-32064
- PROTON MAGNETIC RESONANCE**
- TEMPERATURE EFFECT ON PROTON MAGNETIC RESONANCE SPECTRA OF RIBONUCLEASE, OXIDIZED RIBONUCLEASE AND LYSOZYME A65-18031
- PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS, DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100 MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE, LYSOZYME, AND CYTOCHROME C SPECTRA NASA-CR-58662 N65-29650
- PSEUDORANDOM SIGNAL**
- PSEUDO-RANDOM DOT SCAN TELEVISION SYSTEMS AD-463037 N65-31833
- PSEUDOURIA**
- CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE A65-80325
- AET /S, 2-AMINOETHYLISOTHIUREA-DI-HBR/ AS RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS A65-80741
- PROTECTIVE EFFECT OF CYSTEINE AND S, 2-AMINO-ETHYLISOTHIURONIUMBROMIDE-HYDROBROMIDE ON RADIATION-INDUCED LETHAL MUTATION IN MOUSE A65-80845
- DISTRIBUTION OF PSEUDOURIA AS RESULT OF VARIOUS MODES OF INTRODUCTION, DOSES AND CONDITIONS OF IRRADIATION IN MICE A65-81675
- PSYCHIATRY**
- SA DEPERSONALIZATION
- SA MILITARY PSYCHIATRY
- AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON OF CHLOROPROMAZINE, PROCLORPERAZINE, AND AMOBARBITAL FOR IN-FLIGHT MANAGEMENT A65-80130
- PHYSIOLOGICAL AND PSYCHIATRIC EFFECTS OF EXAMINATION STRESS AND NIGHT-DAY REVERSAL AD-423385 N65-10623
- ONTOLOGICAL SIGNIFICANCE OF ENTITIES WITH RESPECT TO EFFECT ON LOGICAL STRUCTURE OF MIND - PHILOSOPHICAL FOUNDATION FOR PSYCHOLOGY AND PSYCHIATRY - GESTALT THEORY NASA-CR-63609 N65-27388
- MOOD, MOTILITY, AND 17-HYDROXYCORTICOID EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT NASA-CR-63785 N65-28097
- PSYCHOACOUSTICS**
- SA AUDITORY SIGNAL
- BINAURAL INTERACTIONS OF THREE CLICKS A65-80526
- PSYCHOPHYSICAL MODEL OF LOUDNESS SUMMATION ACROSS FREQUENCY A65-80613
- LOUDNESS FOUND TO BE PROPORTIONAL TO VOLUME TIMES DENSITY A65-81168
- PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN INTENSITY OF WHITE NOISE RELATED TO SIGNAL DETECTION A65-81343
- NOISE STRESS- SUBJECTIVE JUDGMENT OF LOUDNESS AND NUISANCE COMPONENTS A65-81350
- MATCHING LOUDNESS AND VOCAL LEVEL A65-82106
- SPEECH DISCRIMINATION IN NOISE IMPROVED BY BINAURAL HEARING A65-82133
- ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY REPT.-1159 N65-13172
- PSYCHOLOGICAL EFFECT**
- HUMAN REACTIONS TO SONIC BOOM, EXAMINING PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS AND PROPERTY DAMAGE A65-24071
- INTERRELATIONS BETWEEN PHYSIOLOGICAL, BEHAVIORAL AND SUBJECTIVE REACTIONS TO STRESS A65-26743
- SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH DATA, ORIENTATION, COMMUNICATION, AND ROLE OF MOTIVATION IN PROLONGED SLEEP DEPRIVATION A65-80020
- PSYCHOLOGICAL EFFECTS OF EXPOSURE TO CARBON DISULFIDE A65-80392
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT A65-81132
- HUMAN RESPONSE TO SOUND PRESSURE LEVELS FROM ULTRASONIC DEVICES A65-81250
- PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND GEMINI PROJECTS NASA-TN-D-2506 N65-14451
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE N65-14456
- PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE AND SPACE RADIATION HAZARDS JPRS-29656 N65-21804
- EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE, OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER SOCIAL ISOLATION AND SENSORY DEPRIVATION - PSYCHOPATHOLOGY JPRS-30158 N65-24349
- EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT PARACHUTISTS DURING TRAINING FTD-TT-65-437/1 N65-29160
- HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN N65-33630
- PSYCHOLOGICAL FACTOR**
- SHIP-BASED RADAR AND ASPECTS OF HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS RELATING TO RADAR CONSTRUCTION AND PERFORMANCE A65-30136
- FLICKER PROBLEMS AS RELATED TO PHYSICS, ELECTRONICS, CELLULAR PHYSIOLOGY, ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY A65-80767
- PSYCHOLOGICAL FACTORS AND ASTRONAUT PERFORMANCE IN SPACE TRAVEL A65-81791

- EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF AVIATION CADETS - PREDICTABILITY AND RELIABILITY
N65-13747 A65-81369
- CYBERNETIC AND COMPUTER TECHNIQUES SIMULATING HUMAN PSYCHOLOGICAL FACTORS - INFORMATION RETRIEVAL
JPRS-31062 N65-29350 A65-81452
- MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388 A65-81628
- PSYCHOLOGICAL INDEX
BLINKING REFLEX AS INDICATOR OF DEGREE OF SKILL ATTAINED IN PRACTICE OF VISUAL-MOTOR TASK
A65-82174
- PSYCHOLOGICAL SET
DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE AND CHLORAL HYDRATE WITH YOUNG ADULT MALE
A65-80448
- PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE, SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626
- PSYCHOLOGICAL TESTING
TRAINING ENTRY AGE OF AIR TRAFFIC CONTROL SPECIALISTS AND INTERACTION WITH INTELLECTUAL AND PERSONALITY CHARACTERISTICS
A65-14235
- PSYCHOLOGICAL EXPERIMENTS WITH SUBJECTIVE INFORMATION, DEFINED AS AMOUNT OF INFORMATION IN JUDGMENTS OF NUMBER AND FREQUENCY OF EVENTS
A65-18288
- EFFECTS OF INSTRUCTIONS ON WIRING TASK ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM CONTROL PANEL
A65-18289
- TROUBLESHOOTING INFORMATION PRESENTATION TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE EQUIPMENT CHARACTERISTICS
A65-18290
- CONTROL/DISPLAY ASSOCIATION STEREOTYPE DETERMINATION WHEN CONTROLS AND DISPLAYS ARE ARRANGED ON TWO-DIMENSIONAL SURFACE
A65-31103
- METHOD FOR MEASURING PERCEPTUAL MOTOR LOAD
A65-80349
- NEUROPSYCHOLOGICAL EXPLANATION OF UNITY OF BINOCULAR VISION
A65-80389
- TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX DIFFERENCES RELATED TO DETAILS EXPRESSED IN AIRCRAFT DRAWINGS
A65-80458
- SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED, EXPOSURE TIME, AND DISTANCE
A65-80517
- PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF DEFENSES ON RORSCHACH PROTOCOL
A65-80562
- TIME IMAGERY, INTROVERSION, AND FANTASIED PREOCCUPATION IN SIMULATED ISOLATION
A65-80576
- PERSONALITY STRUCTURE, GROUP COMPENSATION, AND GROUP FUNCTIONING IN RELATION TO OUTSIDE FACTORS
A65-80742
- INCREASING SENSITIVITY OF MEASURES OF PERFORMANCE
A65-80885
- PSYCHOLOGICAL EXAMINATION AND SELECTION OF PILOT TRAINEES IN ROYAL DANISH AIR FORCE
A65-81330
- PREDICTION OF PERFORMANCE IN EARLY STAGES OF FLIGHT TRAINING
A65-81331
- PSYCHOLOGICAL CORRELATES OF HYPOXIA-STRESS TOLERANCE
A65-81333
- PSYCHIATRIC SELECTION OF FLYING PERSONNEL
- PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND THEIR PREDICTION FROM RORSCHACH PROTOCOLS
A65-81452
- REPETITIVE PSYCHOMETRIC MEASURES BATTERY - ADDITION OF SPATIAL ORIENTATION TEST
A65-81628
- MOTIVATION TOWARD FLYING IN PILOT CANDIDATES RELATED TO TRAINING SUCCESS AND ADJUSTMENT
A65-81776
- ELECTROENCEPHALOGRAPHY AND PSYCHOLOGICAL TESTING OF COMBAT PILOT UNIT
A65-81811
- MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL THREAT STRESS AS RELATED TO COLOR DISCRIMINATION PERFORMANCE
A65-82118
- CAPACITY OF RECOGNIZING MASKED FIGURES AFTER SENSORY-MOTOR DEPRIVATION
A65-82193
- RELATIONSHIPS AMONG NEEDS AND VALUES OF FLIGHT CANDIDATES - PSYCHOLOGICAL TESTING
REPT.-39 N65-10509
- SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING SKILL
AMRL-MEMO-P-53 N65-11638
- PSYCHOLOGICAL RESPONSE PATTERNS, STRESS RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE SUBMARINE
REPT.-416 N65-18876
- REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128 N65-21048
- PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL DEVICE
JPRS-31374 N65-29832
- OBSERVATION AND CATEGORIZING AND RATING OF COPING DEVICES FOR USE IN AIRCREW SELECTION
AD-617745 N65-30098
- INTERACTION OF LIMITED VARIABLES IN SEQUENTIAL MEMORY TASKS WITH CHANGING INFORMATION AND INTERFERENCE EFFECTS IN VERY SHORT-TERM MEMORY
AROD-5038-2 N65-30099
- REWARD MOTIVATION IN HUMAN BEHAVIOR - PSYCHOLOGICAL TESTING
TR-1 N65-31969
- VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY INSTRUCTED TARGET CHARACTERISTICS
T-125 N65-36786
- PSYCHOLOGY /GEN/
SA FACTOR ANALYSIS
- TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963
A65-10483
- FLIGHT SURGEON ROLE IN FLIGHT TRAINING - PSYCHOLOGICAL ASPECTS
A65-80019
- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION, CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL RESPONSE
A65-80235
- BUTTON-PRESSING FOR TIME-OFF REWARD DURING SENSORY DEPRIVATION AS FUNCTION OF RELATIVE COMFORT
A65-80253
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING
A65-80436
- PSYCHOLOGICAL RESEARCH AREAS EXPLORED IN SUBORBITAL AND ORBITAL FLIGHTS BETWEEN APRIL 1961 AND JUNE 1963
A65-80450

PSYCHOLOGICAL EFFECT OF HEAT STRESS
A65-80637

CONTRIBUTION OF AGOSTINO GEMELLI TO PROGRESS OF
GENERAL AND AVIATION PSYCHOLOGY
A65-80925

ENVIRONMENTAL PHYSIOLOGY AND PSYCHOLOGY IN HOT
ARID CONDITIONS
A65-80954

TIME JUDGMENT- COMPARISON OF METHODS OF
REPRODUCTION AND ESTIMATION
A65-81031

PSYCHOLOGICAL AND NEUROPHYSIOLOGICAL ASPECTS OF
VIGILANCE STUDIES- A REVIEW
A65-81036

PSYCHOLOGICAL EFFECTS OF CHRONIC MILD HYPOXIA
A65-81322

AVIATION PSYCHOLOGY IN FRENCH AIR FORCE
A65-81368

NEW DEVELOPMENTS IN FACET DESIGN AND ANALYSIS
A65-81670

AVIATION PSYCHOLOGY FOR FLYING PERSONNEL
FTD-MT-64-177
N65-11758

EMERGING ROLE OF ENGINEERING PSYCHOLOGY IN SYSTEMS
PLANNING AND DEVELOPMENT - HUMAN PERFORMANCE
AMRL-TR-64-88
N65-12996

ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY
REPT.-1159
N65-13172

FACTORS INFLUENCING JUDGMENT OF HUMAN
PERFORMANCE - PSYCHOLOGY
TR-4
N65-13512

SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF
FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY
OF HUMANS AND ANIMALS
NASA-TT-F-228
N65-13626

PSYCHOLOGY OF PILOT PERFORMANCE IN INSTRUMENT
FLIGHT
N65-13631

PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS
OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING
N65-13717

EXTENT TO WHICH BLOCKS OF TEST TRIALS CONTRIBUTE
TO LEARNING OF PAIRED ADJECTIVES - PSYCHOLOGY OF
TRAINING
AMRL-TR-64-105
N65-14003

QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19
N65-14061

HUMAN VISUAL ANALYZER AND ELECTRONIC MODEL OF
HEART - BIOPHYSICS AND PSYCHOLOGY
JPRS-28234
N65-14747

MECHANISM AND PROBLEMS OF BINAURAL INTERACTION -
ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY
TRACOR-64-199-U
N65-15031

GROUP SPACE FLIGHT PSYCHOLOGY
N65-15172

TRANSFER OF TRAINING IN PERFORMANCE OF DYNAMIC
TRACKING TASKS OF VARYING COMPLEXITY IN ADAPTIVE
AND NONADAPTIVE MODES - PSYCHOLOGY
NAVTRADEVCE-1395-1
N65-16106

NATURAL AND SOCIAL ASPECTS IN HUMAN PSYCHOLOGY
FTD-TT-64-65/1
N65-16287

ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403

ABSTRACTS ON PSYCHOPHYSICAL ASPECTS OF SENSORY
PERCEPTION - PSYCHOLOGY
PPM-106
N65-17365

SELECTION OF COMPATIBLE CREW FOR INTERPLANETARY
SPACE FLIGHT - PSYCHOLOGY
JPRS-29217
N65-19540

DIMENSIONAL DESCRIPTIONS OF PHYSICAL AND SOCIAL
STIMULUS VARIABLES INFLUENCING BEHAVIOR
VARIANCE - PSYCHOLOGY
AD-602369
N65-21854

ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING
PSYCHOLOGY
NASA-TT-F-312
N65-24370

PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129
N65-24418

BIOLOGICAL STUDIES FOR SPACE SCIENCE - EXOBIOLGY,
ENVIRONMENTAL BIOLOGY, HUMAN PHYSICAL AND
PSYCHOLOGICAL FACTORS
N65-24915

NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION,
PSYCHOLOGY, AND THEORY OF PERCEPTION
N65-26223

REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
AD-609676
N65-29152

OVERVIEW OF RESEARCH IN PHYSIOLOGICAL,
EXPERIMENTAL, DEVELOPMENTAL, AND COMPARATIVE
PSYCHOLOGY - STUDIES ON BRAIN AND BEHAVIOR,
PERCEPTION, COORDINATION, AND LEARNING
NASA-CR-58831
N65-32115

PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299
N65-34557

PSYCHOMETRICS

THEORY OF DETECTABILITY OF SIGNAL USED TO
CALCULATE CERTAIN PSYCHOMETRIC FUNCTIONS
A65-18362

METHODOLOGICAL AND PSYCHOLOGICAL PROBLEMS IN
MEASURING HUMAN PERFORMANCE IN MAN-MACHINE
SYSTEMS
A65-34682

PERSONNEL TESTING- PRINCIPLES OF TESTING, VARIOUS
TESTS, AND APPLICATION TO SELECTION AND PLACEMENT
A65-81059

PSYCHOMETRIC VALIDATION OF PSYCHOLOGICAL SELECTION
BATTERY OF AIR TRAFFIC AND FIGHTER CONTROL
OFFICERS
A65-81332

COMPARISON OF ERROR IN FIVE SORTING PROCEDURES FOR
ORDINAL RANKING
A65-81447

LATENCY MODELS FOR REACTION TIME DISTRIBUTIONS
A65-81480

MANIFEST ANXIETY - FACTORIAL STUDY
A65-81562

CROSS GROUP STABILITY OF PEER RATINGS OF
LEADERSHIP POTENTIAL
A65-81589

CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3
N65-36307

PSYCHOMOTOR PERFORMANCE
SA REACTION TIME

GENERAL ANXIETY EFFECT AS INDEX OF LABILITY ON
PERFORMANCE OF PSYCHOMOTOR TASKS USING TAYLOR
MANIFEST ANXIETY SCALE - FACTOR ANALYSIS
A65-80021

MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092

WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE
AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE
OF RESTRAINT
A65-80158

COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND

SUBJECT INDEX

PSYCHOPHYSICS

- INTELLECTUAL PERFORMANCE A65-80159
- POWER FUNCTIONS APPLIED TO PERCEPTUAL-MOTOR LEARNING A65-80244
- THRESHOLDS OF CRITICAL FUSION FREQUENCY AND APPARENT MOTION AS AFFECTED BY CHANGES IN FINGER-TAPPING RATE IN TIME A65-80248
- INTERMODAL DIFFERENCES IN PERCEPTUAL DELAY AND SPEED OF READING AND TAPPING A65-80259
- AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR LEARNING A65-80262
- DISPLAY-CONTROL RELATIONSHIP, ABILITY TO SEE WHAT ONE IS DOING AND PHASE OF TRAINING INTERACTIONS IN SENSORIMOTOR TASK A65-80337
- METHOD FOR MEASURING PERCEPTUAL MOTOR LOAD A65-80349
- INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL AND AUDITORY PERCEPTUAL EFFICIENCY A65-80381
- PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT TEMPERATURE A65-80547
- COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY NOISE A65-80573
- PURSUIT ROTOR PERFORMANCE, PACING, AND MANIFEST ANXIETY A65-80575
- PROBLEM-SOLVING ABILITY OF YOUNG, MIDDLE-AGED, AND OLD MALES A65-80655
- PSYCHOLOGICAL INVESTIGATION OF NOISE EFFECT ON MOTOR AND MENTAL PERFORMANCE A65-80692
- TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND BODY-ORIENTED CONTROL TASKS A65-80708
- NOISE EFFECT ON PERFORMANCE OF ARITHMETIC TASK A65-80739
- DIFFERENTIAL VISUAL FEEDBACK OF COMPONENT MOTIONS A65-80854
- PERFORMANCE ON COMPLEX PSYCHOMOTOR ASSEMBLY TASK UNDER FOUR SPEED CONDITIONS A65-81001
- TESTS OF FUNCTION OF PROPRIOCEPTION - INTERACTION BETWEEN PROPRIOCEPTION AND VISION A65-81002
- PRINCIPLES FOR DEVELOPMENT OF NEW MEASURES OF HUMAN CONTINUOUS PERFORMANCE A65-81003
- EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM 8,000 TO 45,000 FEET A65-81072
- SERIAL CHOICE REACTION-TIME AS FUNCTION OF RESPONSE VERSUS SIGNAL-AND-RESPONSE REPETITION A65-81100
- MANUAL DEXTERITY AND ARITHMETIC CALCULATION CAPACITY DURING REST AND EXERCISE IN HYPERBARIC AIR A65-81203
- INTERMITTENT DISPLAY PRESENTATION IN COINCIDENCE JUDGEMENTS A65-81223
- OBJECTIVE MEASURE OF MENTAL OVERLOADING- NEW APPLICATIONS OF DOUBLE-TASK METHOD WITH REACTION TIME AND PSYCHOMOTOR PERFORMANCE A65-81324
- EFFECT OF ABRUPT DISTURBANCE OF DAILY RHYTHM OF WORK-REST CYCLE ON WORK CAPACITY A65-81340
- COMPARATIVE ANALYSIS OF PROPRIOCEPTION IN LEFT AND RIGHT ARMS A65-81409
- AMPHETAMINE EFFECTS ON ANXIETY AND MENTAL AND PSYCHOMOTOR PERFORMANCE A65-81481
- SYNCHRONIZATION ERROR IN BIMANUAL OPERATION OF CONTROLS A65-81572
- COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT STAGES OF LEARNING COMPLEX TRACKING TASK A65-81661
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- INFLUENCE OF LOCAL FATIGUE ON SPEED AND ACCURACY IN MOTOR LEARNING A65-81759
- MIRROR IMAGE TEST USED TO DETERMINE PSYCHOMOTOR PERFORMANCE DURING ISOLATION A65-81801
- SUBJECTIVE TIME MEASUREMENT DURING TASKS WITH DIFFERENT INFORMATION CONTENT A65-81954
- INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR TASK PERFORMANCE WITH OXYGEN DEFICIENCY A65-81968
- 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE EFFECTS ON PSYCHOMOTOR PERFORMANCE IN FLYING PERSONNEL A65-81995
- RESTRICTION AND FORCED - RESPONSE GUIDANCE IN TRAINING FOR TWO FORMS OF MANUAL POSITIONING TASK A65-82004
- PURSUIT ROTOR PERFORMANCE, REMINISCENCE, INHIBITION, AND CONSOLIDATION A65-82107
- REMINISCENCE - THREE FACTOR THEORY A65-82108
- PERSONALITY AND INVERTED - U RELATION BETWEEN PERFORMANCE AND AROUSAL A65-82114
- AMPHETAMINE AND PYROVALERONE HYDROCHLORIDE EFFECT ON HUMAN PERFORMANCE A65-82198
- MOTION COMPONENTS IN RHYTHMICAL MOTOR TASK WITH DIFFERENT LOADS AND AT VARIABLE FREQUENCY OF STRIKE MOTION IN MAN A65-82247
- INTERMITTENT ILLUMINATION EFFECTS ON PERCEPTUAL MOTOR PERFORMANCE A65-82292
- PERCEPTUAL MOTOR SPEED AS RELATED TO ACCIDENT PRONENESS A65-82313
- PERFORMANCE ON HALSTEAD TACTUAL PERFORMANCE TEST UNDER SEVERE ENVIRONMENTAL STRESS A65-82334
- MOTOR SKILLS BIBLIOGRAPHY A65-82344
- COURSE OF PSYCHOMOTOR AND MANIC DEPRESSIVE PSYCHOSIS UNDER HIGH MOUNTAIN CONDITIONS N65-17840
- QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES NASA-CR-63803 N65-28540
- FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL TRAINING, AND USE OF CDC 160-A COMPUTER TO TEACH PSYCHOMOTOR TASK NAVTRADEVCE-1517-1 N65-31206
- PSYCHOMOTOR TEST METHODOLOGY AND PRACTICABILITY FOR PERFORMANCE PROGNOSSES DLR-FB-65-27 N65-33289
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA NAVTRADEVCE-1444-1 N65-33459
- PSYCHOPHYSICS
POWER FUNCTIONS APPLIED TO PERCEPTUAL-MOTOR

- LEARNING A65-80244
- PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS A65-80246
- SENSORY-FEEDBACK ANALYSIS OF BEHAVIOR IN STEREOTELEvised VISUAL FIELD A65-80344
- FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC INTERMITTENCY A65-80460
- COLOR PERCEPTION REVIEWED WITH RESPECT TO PHYSICAL, PSYCHOPHYSICAL, AND PSYCHOLOGICAL VARIABLES A65-80612
- THEORY OF SIGNAL DETECTABILITY AND PSYCHOPHYSICAL LEARNING A65-81427
- LINEAR MODEL FOR VISUAL TRANSFER CHARACTERISTICS IN MESOPIC REGION-RESPONSE/STIMULUS PEAK-TO-PEAK MEASUREMENTS OF SPATIAL SINE-WAVE PATTERNS A65-81576
- BACKGROUND REFLECTANCE AND CATEGORY-SCALING OF GRAY PAPERS A65-81580
- VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING A65-81581
- NON-ADDITIVITY OF PERCEIVED DISTANCE WITH MUELLER-LYER FIGURE A65-81648
- DISCRIMINABILITY AND SCALING OF LINEAR EXTENT A65-81981
- SHORT-TERM ADAPTIVE PROCESSES DURING PERCEPTION OF VERTICAL EXPLAINED BY PSYCHOPHYSICAL LINEAR FEEDBACK MODEL A65-82235
- FORWARD AND BACKWARD MASKING IN VISUAL PERCEPTION A65-82285
- PSYCHOPHYSIOLOGY
SA NEUROPHYSIOLOGY
- PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-ENCEPHALOGRAPHIC TESTS A65-10870
- MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED CHOICE TASK A65-14150
- INTERRELATIONSHIPS AMONG BIOMETEOROLOGY, ANTHROPOLOGICAL ENGINEERING, MEDICINE AND PSYCHOTECHNICS A65-19770
- PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR ORBITAL MAINTENANCE AND TASK PERFORMANCE IN SIMULATED SPACE ENVIRONMENT A65-19842
- PHYSICAL AND PSYCHOPHYSIOLOGICAL TESTS USED IN SOVIET UNION FOR ASTRONAUT SELECTION AND TRAINING, NOTING SPACE FLIGHT RESULTS A65-22928
- AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND RECTILINEAR MOTIONS A65-25648
- CHEMICAL AND PSYCHOPHYSICAL FACTORS UNDERLYING PERCEPTION OF COLOR AND COLOR BLINDNESS A65-26943
- PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY AFTER CORTEX ABLATION NASA-TT-F-9178 N65-11451
- PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI N65-13645
- PSYCHOPHYSIOLOGY OF OBESITY IN FLIGHT PERSONNEL N65-13651
- PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT FLYING N65-13673
- DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL APTITUDE - PSYCHOPHYSIOLOGY NASA-CR-156 N65-15546
- MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY, AND SPACE SUITS - U.S.S.R. SPACE PROGRAM JPRS-29998 N65-23777
- AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE CABIN SIMULATOR, AND DYNAMIC RESPONSE AD-612636 N65-25895
- DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT N65-28759
- PSYCHOTHERAPY
HIGH MOUNTAIN PSYCHOTHERAPY OF MENTAL PATIENTS N65-17838
- TREATMENT OF SCHIZOPHRENIA PATIENTS BY RESIDENCE IN HIGH MOUNTAINS N65-17839
- PULMONARY CIRCULATION
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE MEASURED BY OBSERVING CHANGES IN INTRATHORACIC IMPEDANCES A65-10727
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN SATURATION DECREASE DUE TO PULMONARY ARTERIAL-VEIN SHUNTING IN ANESTHETIZED DOGS SUBJECT TO FORWARD ACCELERATION A65-29057
- EXERCISE EFFECTS ON CORONARY AND PULMONARY CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY SINUS CATHETERIZATION A65-31346
- PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY A65-80176
- PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION A65-80228
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH ALTITUDE A65-80670
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN A65-80671
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING ANTI-G SUITS RELATED TO PULMONARY CAPILLARY CIRCULATION A65-80872
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL SUBJECTS A65-81668
- HYPOXIA IN ONE LUNG AND EFFECT ON DISTRIBUTION OF PULMONARY CIRCULATION AND VENTILATION A65-81757
- OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO BLOOD FLOW A65-81894
- PULMONARY DIFFUSING CAPACITY IN MAN DURING IMMERSION IN WATER A65-81900
- CHANGES IN PULMONARY DIFFUSION CAPACITY AND PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE PRESSURE BREATHING IN MAN A65-82099
- PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF POSITIVE ACCELERATION A65-82145
- PULMONARY CIRCULATION IN ERECT HUMAN LUNG A65-82150
- PULMONARY CIRCULATION AND HEART FUNCTION IN RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES A65-82301
- PATHOGENIC MECHANISMS - PULMONARY BLOOD VESSEL

- CHANGE DUE TO CHRONIC RADIATION SICKNESS
FTD-MT-63-223 N65-11581
- PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION
IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS
NADC-ML-6413 N65-18881
- PULMONARY FUNCTION**
SA LUNG
- LUNG VOLUME CHANGES OF EMPHYSEMA PATIENTS UPON
EXPOSURE TO SIMULATED ALTITUDE OF 18,000 FT
A65-14237
- THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED
FROM THORACIC CIRCUMFERENCE, INTRATHORACIC
PRESSURE AND PULMONARY VOLUME RELATIONSHIPS
A65-23231
- TOXIC EFFECT IN RESPIRATORY TRACT AND NERVOUS
SYSTEM CAUSED BY BREATHING OXYGEN ENRICHED
ATMOSPHERE, DISCUSSING PULMONARY FUNCTION
A65-26745
- DETERMINANTS OF FORCED VITAL CAPACITY AND
EXPIRATORY VOLUME AS RELATED TO AGE AND SEX
A65-80051
- ALVEOLAR HYPOXIA EFFECT ON PULMONARY VASCULAR
RESISTANCE OF DOG A65-80057
- LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA
A65-80059
- MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE
AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND
BRONCHITIC SUBJECTS A65-80069
- CARBON DIOXIDE AND PULMONARY VENTILATION IN
MUSCULAR EXERCISE OF DOG A65-80071
- OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY
TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE
EXERCISE A65-80077
- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION,
CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL
RESPONSE A65-80235
- PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313
- REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS
EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G
A65-80369
- SLIDE RULE FOR CALCULATING SINGLE-BREATH DIFFUSING
CAPACITY FOR CARBON MONOXIDE A65-80512
- RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT
CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF
CARBON DIOXIDE PRESSURE A65-80607
- RESPIRATION AT CONSTANT LOW ARTERIAL PRESSURE AND
EFFECT OF STEPWISE CHANGES OF ARTERIAL PRESSURE
BEFORE AND AFTER CUTTING OF SINUS NERVES IN CAT
A65-80608
- ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651
- RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY
VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY
WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS
A65-80666
- RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE A65-80667
- MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON
MONOXIDE AT REST AND DURING EXERCISE
A65-80821
- EYE AND PULMONARY FUNCTION AS AFFECTED BY DIESEL
EXHAUST GASES A65-80828
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING
ANTI-G SUITS RELATED TO PULMONARY CAPILLARY
CIRCULATION A65-80872
- VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917
- ROENTGEN STUDIES IN MAN OF RELATIONSHIP OF UNEQUAL
PULMONARY VENTILATION TO GRAVITY, AND POSTURE
A65-81101
- HUMAN RESTING PULMONARY DIFFUSING CAPACITY FOR
CARBON MONOXIDE AND OXYGEN AT HIGH ALTITUDE
A65-81148
- DIGITAL INTEGRATOR FOR ON-LINE PULMONARY
COMPLIANCE MEASUREMENTS A65-81154
- IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND
VENTILATION OF SUBJECTS IN STANDING, SITTING, AND
SUPINE POSITIONS A65-81179
- FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING
CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH
ALTITUDE A65-81185
- RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229
- REPRODUCIBILITY OF STEADY STATE CARBON MONOXIDE
DIFFUSION CAPACITY DATA DURING EXERCISE IN MAN
A65-81320
- SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON
MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED
MEASUREMENTS OF PULMONARY CARBON MONOXIDE
DIFFUSION CAPACITY DURING EXERCISE IN MAN
A65-81321
- RELATIONSHIP BETWEEN MINUTE VENTILATION, PULMONARY
GAS DIFFUSION AND RESPIRATORY WORK MEASURED
SIMULTANEOUSLY DURING STANDARD EXERCISE TEST
A65-81413
- PULMONARY DIFFUSING CAPACITY AS PHYSIOLOGICAL
INDEX DETERMINED BY SPIROGRAPHIC METHOD USING
CARBON MONOXIDE AND HELIUM A65-81477
- DIAGNOSTIC BATTERY OF INDICES OF PULMONARY
FUNCTION PROPOSED FOR PHYSICAL EXAMINATION OF
PILOTS A65-81488
- ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY
OBSTRUCTION DURING REST AND EXERCISE
A65-81607
- HYPOXIA IN ONE LUNG AND EFFECT ON DISTRIBUTION OF
PULMONARY CIRCULATION AND VENTILATION
A65-81757
- VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS A65-81804
- INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN
A65-81892
- GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY
TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893
- VERTICAL SINUSOIDAL VIBRATION - EFFECT ON
RESPIRATORY AIRFLOW AND TRANSPULMONARY PRESSURE
A65-81897
- PULMONARY DIFFUSING CAPACITY IN MAN DURING
IMMERSION IN WATER A65-81900
- PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL
AND OBSTRUCTIVE LUNG DISEASED PATIENTS
A65-81973
- EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION A65-82074
- CHANGES IN PULMONARY DIFFUSION CAPACITY AND

- PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE PRESSURE BREATHING IN MAN A65-82099
- INFLUENCE OF INSPIRED ALVEOLAR NITROGEN CONCENTRATION AND ENVIRONMENTAL PRESSURE UPON RATE OF GAS ABSORPTION FROM CLOSED AREA OF LUNG IN DOG A65-82121
- PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND CAPILLARY BLOOD FLOW DURING FORWARD ACCELERATION A65-82152
- ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE POSITION DURING EXPOSURE TO FORWARD ACCELERATION A65-82153
- INTRAPULMONARY PRESSURE OF BREATHHOLDING SUBJECTS LYING AND SITTING IN AIR AND WATER A65-82158
- DISTRIBUTION OF INSPIRED AIR DURING VENTILATION WITHOUT RESPIRATORY MOVEMENTS A65-82169
- GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING CAPACITY DETERMINATIONS A65-82170
- HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL EXERCISE A65-82302
- PULMONARY FUNCTION IN SITTING OR HORIZONTAL POSITION DURING BED REST A65-82312
- PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS A65-82323
- IMMERSION EFFECT ON MEAN INTRAPULMONARY PRESSURE FPRC/1220 N65-12843
- REFLEX REACTIONS OF DOG TO BREATHING UNDER INCREASED INTRAPULMONARY PRESSURE N65-13741
- INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY FUNCTION IN BRONCHIAL ASTHMA PATIENTS N65-17830
- COMBINED RADIOACTIVE MATERIAL INHALATION AND HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION TECHNIQUE FOR LUNG SCANNING FOR PULMONARY FUNCTION EVALUATION UCLA-12-556 N65-24272
- PULMONARY LESION**
- POST MORTEM LUNG TISSUE CHANGES IN MICE FROM OXYGEN TOXICITY AT ATMOSPHERIC PRESSURE A65-16563
- PULMONARY VASCULAR CHANGES IN DOGS PLACED IN ATMOSPHERIC CONTROL CHAMBER WITH TEN PERCENT OXYGEN A65-80181
- RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS AMBIENT PRESSURES A65-80669
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO DURATION AND EXTENT OF DECOMPRESSION A65-81731
- PULSE**
- PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY OF BRAIN RSIC-298 N65-20526
- INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS LR-18525 N65-23152
- PULSE DURATION MODULATION /PDM/**
- PULSE DURATION MODULATION SYSTEM FOR LIFE SCIENCE TELEMETRY N65-16622
- PULSE RATE /BIOL/**
- MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE FLIGHT REFLECTED IN PULSE RATE A65-80087
- TIME JUDGMENT CORRELATED WITH PULSE RATE A65-80258
- PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN A65-80696
- PHYSICAL WORK CAPACITY OF MAN AND ITS DIMINUTION BY HEAT STRESS A65-80906
- INSTRUMENT FOR CONTINUOUS REGISTRATION OF PULSE IN WORK STUDIES A65-81189
- RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER ISOMETRIC AND DYNAMIC METHODS OF TRAINING A65-81269
- WORK PULSE RATE AS INDICATOR OF PERSISTING MUSCLE FATIGUE IN HUMANS A65-81270
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- AUTOMATIC DETERMINATION AND RECORDING OF PULSE RATE AND RESPIRATION A65-81510
- ELECTROENCEPHALOGRAPH AND PULSE RATE OF RABBIT AS AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA A65-81666
- NORMAL VALUES OF CARDIOVASCULAR FUNCTION DURING PHYSICAL EXERCISE - RELATIONSHIP OF PULSE RATE AND STROKE VOLUME TO CARDIAC MINUTE VOLUME IN NORMAL MALE ADULTS A65-81689
- PULSE RATE EFFECT ON CONTRACTION PHASES OF HEART IN MAN AT DIFFERENT AGES A65-82212
- CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES N65-17829
- CONSTRUCTION OF DEVICE FOR RECORDING BLOOD PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS ON OSCILLOGRAPHS NASA-TT-F-9581 N65-35782
- PULSE RECORDER**
- NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS NASA-TT-F-9578 N65-36751
- PULSED LASER**
- PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL OF RADIATION OF DIRECT OR REFLECTED BEAMS AS SAFEGUARD TO EYE DAMAGE A65-21951
- PUMP**
- SA ION PUMP
- SA VACUUM PUMP
- MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE RELIABILITY - BIOELECTRICALLY CONTROLLED PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION JPRS-29836 N65-22120
- PUNCHED CARD**
- ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024 PRINTING CARD PUNCH APPARATUS ISS-64/39 N65-19607
- PUPIL SIZE**
- STEADY STATE RESPONSE OF PUPIL TO RETINAL ILLUMINATION IN OBSERVER LACKING FUNCTIONING RODS A65-35587
- ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM DETERMINED BY MEASURING FLICKER THRESHOLD, BRIGHTNESS, AND PUPIL MOTOR EFFECT OF MODULATED LIGHT A65-80770
- EVOCKED CORTICAL POTENTIALS IN RELATION TO PUPILLARY DIAMETER IN RAT A65-82071
- EFFECT OF FOCUS ON VISUAL RESPONSE TO SINUSOIDALLY MODULATED SPATIAL STIMULUS AND RELATION TO NIGHT MYOPIA A65-82201

SUBJECT INDEX

QUANTUM NUMBER

ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION
CAMERA AND CALIBRATED MONITOR
CRDL-TM-2-3 N65-22392

PURIFICATION
SA AIR PURIFICATION
SA PASTEURIZATION
SA STERILIZATION
SA WATER PURIFICATION

ANIMAL STUDIES ON PURIFICATION PROCEDURES TO
ELIMINATE BACTERIAL CONTAMINATION
AD-444390 N65-10012

PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY N65-22299

FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES
PURIFICATION AND RECONSTITUTION OF RIBOSOMAL
SYSTEM OF ESCHERICHIA COLI
NASA-CR-59029 N65-29485

PURINE
CYTOSINE, ADENINE, GUANINE, THYMINE AND URACIL
DETECTION IN CORE SAMPLES FROM EXPERIMENTAL
MOHOLE A65-13171

TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630

PURSUIT TRACKING
SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN
OPERATOR A65-35477

PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256

STEREOSCOPIC TELEVISION PURSUIT TRACKING WITH
COMPARISON OF AIDED AND DIRECT TRACKING SYSTEMS
A65-80345

PURSUIT ROTOR PERFORMANCE, PACING, AND MANIFEST
ANXIETY A65-80575

SINGLE CHANNEL HYPOTHESIS A65-80850

ROTARY TRACKING OF TARGET AND LIGHT IN SPACE
STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND
12.0 RPM A65-80894

COMPARISON OF FREE-MOVING AND PRESSURE LEVERS IN
POSITIONAL CONTROL SYSTEM DURING PURSUIT TRACKING
TASK A65-80943

FLICKER PERIODICITY EFFECT ON PERFORMANCE AND
AROUSAL DURING ROTARY PURSUIT TASK
A65-81105

EYE MOVEMENTS DURING OBSERVATION OF MOVING OBJECT
A65-81196

CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES
IN MULTIPLE TASK PERFORMANCE A65-81563

HUMAN ENGINEERING RESEARCH OF PURSUIT AND
COMPENSATORY TRACKING BEHAVIOR A65-81760

TRANSFER OF TRAINING ACROSS TARGET SIZES IN
SUBJECT-PACED TRACKING TASK A65-81977

TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION,
AND RETENTION OF TRACKING SKILL
A65-82055

INFORMATION THEORY APPLICATION TO STUDIES OF
TRACKING BEHAVIOR A65-82085

INFORMATION THEORY APPLICATION TO HUMAN TRACKING
BEHAVIOR - ADDITIONAL EXPLANATION
A65-82086

PURSUIT TRACKING PERFORMANCE RELATED TO
CONTROL-DISPLAY COMPATIBILITY, HANDEDNESS, SEX AND
PROBABILITY A65-82111

PURSUIT ROTOR PERFORMANCE AS INFLUENCED BY DELAY
AND MODE OF PRESENTATION OF EXTRA CUES. A65-82221

PSYCHOLOGICAL REFRACTORY PERIOD IN BISENSORY
TRACKING TASK A65-82288

VERBAL CODING AND DISPLAY CODING IN ACQUISITION
AND RETENTION OF TRACKING SKILL
A65-82293

ELECTROMECHANICAL APPARATUS FOR ONE OR TWO
DIMENSIONAL PURSUIT TRACKING AND SENSORY FEEDBACK
A65-82343

PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
DISPLACEMENT FUNCTION, AND TARGET VELOCITY
A65-82361

PYRIDOXINE
TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/
REQUIREMENTS UNDER NERVOUS STRESS IN DOGS
A65-80723

MICROWAVE RADIATION OF RAT AND EFFECT OF
PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE
A65-80756

USE OF PYRIDOXINE HYDROCHLORIDE IN ACUTE HYDRAZINE
AND UNSYMMETRICAL DIMETHYL HYDRAZINE /AEROZINE-50/
INTOXICATION IN MAN A65-81712

PYRIDOXINE TOXICITY IN ANIMALS AND CLINICAL USES
OF PYRIDOXINE IN HIGH AND PROLONGED DOSES IN MAN
WITH REGARD TO ITS POSSIBLE TOXIC EFFECTS
AMRL-TR-64-106 N65-14004

EFFECT OF DIET ON RAT EXCRETION OF TRITIUM
RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF
TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE
AAL-TR-64-29 N65-25344

PYRIMIDINE
TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630

EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE
OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING
EXPOSURE TO HYPOBARIC PRESSURE A65-81697

PYRUVATE
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE
OXIDATIVE DECARBOXYLATION OF PYRUVATE IN
ESCHERICHIA COLI A65-16854

PHOSPHOROCLASTIC REACTION CATALYZED BY CLOSTRIDIUM
NIGRIFICANS, THERMOPHILIC SULPHATE-REDUCING
BACTERIUM A65-17522

LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073

Q

QUALITY
S FLYING QUALITY
S HANDLING QUALITY

QUALITY CONTROL
ENHANCING QUALITY OF IMAGERY INVESTIGATED USING
STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS
AMRL-TR-65-28 N65-30632

QUALITY CONTROL SYSTEM IN MILITARY TRAINING
PROGRAM
TR-65-6 N65-33767

QUANTUM NUMBER
SA ANGULAR MOMENTUM

THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH
PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF
COLOR PERCEPTION
AD-611401 N65-33479

QUINONE

QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF
CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS
OF GROWTH A65-81194

R

RABBIT

OXYGEN INHALATION IN PROLONGATION OF TIME OF
USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN
INHALATION BY RABBITS A65-31343

ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347

ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003

NYSTAGMUS AND VESTIBULAR STIMULATION IN RABBIT
DURING ROTATION A65-80033

ROLE OF HYPOTHALAMUS ON ERYTHROPOIETIC RESPONSE TO
HYPOXIA IN RABBIT A65-80039

INFLUENCE OF HIGH TEMPERATURE ON
BIOELECTRIC ACTIVITY OF MUSCLE IN RABBIT
A65-80234

PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264

MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS A65-80312

UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION
A65-80334

HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED
POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX
IN RABBITS A65-80441

POSSIBLE INJURY FROM UHF ELECTROMAGNETIC FIELD ON
ELECTROENCEPHALOGRAM OF CORTEX IN RABBITS
A65-80442

SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF
SLEEPING DONOR A65-80454

RESPONSE OF VESTIBULAR APPARATUS TO IONIZING
RADIATION AND CORIOLIS ACCELERATION IN RABBITS
A65-80536

RELATIONSHIP BETWEEN QUICK COMPONENT OF NYSTAGMUS
AND VESTIBULAR APPARATUS FUNCTION
A65-80601

REACTION OF AUTONOMIC CENTERS OF HYPOTHALAMUS AND
CEREBELLUM TO IONIZING RADIATION
A65-80650

EFFECT OF SHORT-TERM AND LONG-TERM FOOD
DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND
CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC
LESIONS A65-80653

CORRELATION OF DIENCEPHALIC AND BULBOVESTIBULAR
NYSTAGMOGENIC AREAS A65-80688

DEPENDENCE OF RESPONSE OF INDIVIDUAL NEURONS OF
RABBIT LATERAL GENICULATE BODY ON THE INTENSITY
OF LIGHT STIMULUS A65-80701

INTERACTION BETWEEN EVOKED POTENTIAL AND
BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL
CORTEX A65-80702

INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY
AUDITORY AND VISUAL STIMULI IN RABBITS
A65-80703

EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC
FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF
CEREBRAL CORTEX IN RABBIT A65-80713

EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND
HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL
INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717

SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
FIELD A65-80801

RELATIONSHIP BETWEEN INTRAMUSCULAR TEMPERATURE AND
SINGLE AND POLYPHASIC POTENTIAL OF STRIATED MUSCLE
IN RABBITS A65-80832

ULTRAVIOLET RADIATION EFFECT ON BLOOD SUGAR LEVEL
IN RABBITS A65-80837

BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF
DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877

THERMOSTAT OF ORGANISM AND ITS SETTING IN RABBIT
A65-80912

EYE NYSTAGMUS ELICITED BY STIMULATION OF
NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT
A65-80944

RELATIONSHIP BETWEEN NYSTAGMUS QUICK COMPONENT AND
VESTIBULAR APPARATUS IN RABBITS
A65-80982

SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY
AUDITORY STIMULUS A65-80986

METHYLENE BLUE IN TREATMENT OF DECABORANE TOXICITY
IN RABBIT A65-81034

PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND
RESPIRATORY DATA A65-81056

NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC
STIMULATION OF RABBIT EYE A65-81086

FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093

INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT
A65-81107

OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND A65-81216

BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD
POISONING OF RABBITS A65-81255

BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL
LEAD POISONING IN RABBITS A65-81256

FORMATION OF METHEMOGLOBIN IN RABBITS AFTER
INTRAVENOUS INJECTION OF CHEMICAL RADIOPROTECTORS
A65-81267

MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT
SKIN A65-81278

INFLUENCE OF ULTRASOUND ON PERMEABILITY OF
BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN
RABBITS A65-81289

UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM
BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC
AND OXYGENATED CONDITIONS A65-81415

EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT
A65-81449

INVERSION OF PHOTIC EVOKED POTENTIALS IN VISUAL
CORTEX OF CONSCIOUS RABBITS A65-81485

INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF
NEURONS OF OPTIC ZONE DURING ACTION OF SOUND

SUBJECT INDEX

RACE FACTOR

STIMULUS A65-81626

ELECTROENCEPHALOGRAPH AND PULSE RATE OF RABBIT AS AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA A65-81666

ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT FLASH DURING HIGH ALTITUDE SIMULATION IN LOW PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS A65-81669

TRANSPLANTS OF HEMOPOIETIC TISSUE AS RADIOPROTECTIVE MECHANISM IN RABBITS A65-81676

MECHANISM OF ACTION OF MICROWAVES OF SKIN IN ALBINO RATS AND RABBITS A65-81699

PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE, AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED BY ANOXIA IN DECOMPRESSION CHAMBER A65-81841

DEVELOPMENT OF PYROGENIC MECHANISM RELATED TO HEAT REGULATION IN GROWING RABBITS AND GUINEA PIGS A65-81879

DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY IN RABBITS ADAPTED TO DARKNESS A65-81943

DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY BY ELECTRORETINOGRAM AND ELECTROENCEPHALOGRAPH RESPONSE TO WHITE LIGHT FLASHES IN RABBITS A65-81944

EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN RABBITS A65-82030

AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY MICROWAVE RADIATION IN RABBIT A65-82037

MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS RELATED TO RADIATION INTENSITY AND EXPOSURE TIME A65-82061

OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS A65-82070

ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN OXYGEN POISONING IN RABBITS A65-82100

NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENCEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT A65-82139

STAPEDIUS REFLEX TO TONE STIMULI OF MEDIUM LOUDNESS IN ALERT RABBIT A65-82142

TEMPERATURE REGULATION IN COLD AND WARM ADAPTED RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD PRECOOLING A65-82146

DISTURBANCE IN CARBON METABOLISM IN EXPERIMENTAL CARBON MONOXIDE POISONING IN RABBITS A65-82183

EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF RABBITS TO ROTATION-ACCELERATORY STIMULI A65-82194

RESPONSES OF VISUAL SYSTEM TO OPTOKINETIC STIMULI IN RABBITS A65-82227

UPTAKE OF CATECHOLAMINES BY HEART OF RABBITS TREATED WITH SEGONTIN, A NEW AMINE DRUG A65-82238

SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING GAMMA RADIATION EXPOSURE IN RABBITS A65-82240

ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS A65-82274

ALTERED CARDIAC MUSCLE TISSUE RETENTION OF

EXOGENOUS NORADRENALINE PRODUCED BY STRESS IN YOUNG RABBITS A65-82316

ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC CENTERS IN RABBITS WITH INJURY AND ELECTRIC STIMULATION A65-82354

CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND DOGS CAUSED BY EXPLOSIVE DECOMPRESSION N65-13722

OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF ELEVATED CARBON DIOXIDE CONCENTRATIONS IN RABBITS N65-17807

NYSTAGMUS IN RABBITS, IONIZING RADIATION OF HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER REGENERATION, BONE MARROW TRANSPLANTATION IN RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS JPRS-29250 N65-20139

EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF NUCLEI IN HYPOTHALAMIC AREA OF RABBITS N65-20141

RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES, EXPOSURE OF MICE TO GAMMA RADIATION, AND LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS EXPOSED TO RADIATION FTD-TT-64-746/162 N65-21208

INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES, AND BONE MARROW OF RABBITS EXPOSED TO RADIATION N65-21211

MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN INFANT RABBITS - HUMAN DISEASE N65-22294

ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN TRAPEZOID NUCLEUS OF RABBIT MEDULLA N65-23373

SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY MICROWAVE RADIATION N65-28707

RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND EXTERNAL PRESSURE IN RABBITS FTD-TT-65-307/16264 N65-30927

RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60 GAMMA RADIATION AND X-RAYS ON CARTILAGE OF YOUNG RABBIT LARYNX ANL-TRANS-121 N65-32833

AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS WITH ACUTE RADIATION SICKNESS FTD-TT-65-383/164 N65-33411

RACE FACTOR

BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS A65-80067

HEART RATE, BODY TEMPERATURE, AND SWEAT RATE RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND CAUCASIANS A65-80068

PHYSIOLOGICAL REGULATION IN MOIST HEAT BY YOUNG AMERICAN NEGRO AND WHITE MALES A65-80690

REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS A65-80901

SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES A65-80959

ANTHROPOMETRIC MEASUREMENTS OF VARIOUS NOMADIC RACIAL GROUPS LIVING IN SAHARA A65-80964

PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT A65-81132

ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF

- YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING
OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION
A65-82162
- RADAR**
SA SATELLITE-BORNE RADAR
SA SIDE-LOOKING RADAR
- INVESTIGATION OF POSSIBILITY OF RADAR INDUCED
CATARACT A65-81073
- TEAM TRAINING IN SIMULATED RADAR-CONTROL
INTERCEPTION TASK
NAVTRADEVCE-1327-1 N65-16173
- ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
NUMRRO-RR-15 N65-17618
- RADAR ANTENNA**
RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS
MEASURED FOR EVALUATING WORKING CONDITIONS OF
AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/1&4 N65-32289
- RADAR BEAM**
EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT
OF ULTRASHORT ELECTROMAGNETIC WAVES ON
BIOLOGICAL SUBJECTS
NRC-TT-1161 N65-28815
- RADAR MAP**
SYMBOLS FOR HIGH RESOLUTION VIDEO MAPS,
CONSIDERING AERONAUTICAL AND NATURAL OR ARTIFICIAL
CONFIGURATIONS A65-21613
- RADAR NAVIGATION**
SHIP-BASED RADAR AND ASPECTS OF HUMAN
PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS RELATING
TO RADAR CONSTRUCTION AND PERFORMANCE
A65-30136
- RADAR OBSERVATION**
POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING
RADAR TARGET DETECTION
AMRL-TR-64-82 N65-13995
- RADAR TARGET**
RADAR TARGET DETECTION BY TRAINED AND UNTRAINED
OPERATORS
AD-455767 N65-16422
- RADAR TRACKING**
RADAR TARGET TRACKING PERFORMANCE FOR PLAN
POSITION INDICATOR DISPLAY AND AUTOMATIC COMPUTER
A65-11895
- X-RAY AND RADIO FREQUENCY RADIATION HEALTH HAZARDS
SURROUNDING RADAR TRACKING SYSTEM
NASA-TM-X-55110 N65-12608
- RADIANT ENERGY**
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- RADIANT HEATING**
HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF
COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT
EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT
ENVIRONMENT A65-24076
- TECHNICAL PROBLEMS AND MEANS OF PROTECTION AGAINST
SOLAR RADIATION A65-80967
- RADIATION**
SA ACOUSTIC RADIATION
SA ALPHA RADIATION
SA ATMOSPHERIC RADIATION
SA BETA RADIATION
SA BLACK BODY RADIATION
SA COSMIC RADIATION
SA ELECTROMAGNETIC RADIATION
SA GAMMA RADIATION
SA INFRARED RADIATION
SA IONIZING RADIATION
SA IRRADIATION
- SA LONG WAVE RADIATION
SA MICROWAVE RADIATION
SA MONOCHROMATIC RADIATION
SA NUCLEAR RADIATION
SA SKY RADIATION
SA SOLAR RADIATION
SA SPACE RADIATION
SA THERMAL RADIATION
SA TRAPPED RADIATION
SA ULTRASONIC RADIATION
SA ULTRAVIOLET RADIATION
SA VISIBLE RADIATION
SA X-RAY
- RADIATION EFFECT ON FOOD SATIATION IN RHESUS
MCNKEY A65-81546
- BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY
RULES FOR PERSONNEL PROTECTION
NAVTRADEVCE-1H-15 N65-14941
- SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE
TO HEMOGLOBIN IN RAT AND PIGEON BLOOD
N65-26380
- RADIATION EFFECTS ON PATTERNS OF NATURE
BNL-924/T-381/ N65-34107
- ARTICLES ON BIOPHYSICAL RESEARCH - MITOGENETIC
RADIATION, STRUCTURE OF PIGEON UTRICLE, ION
TRANSPORT IN RAT-CORTEX SECTIONS, AND
BIOELECTRICAL PHENOMENA IN MICROORGANISMS
JPRS-32209 N65-35150
- DATA AND THEORIES PERTAINING TO MITOGENETIC
RADIATION BIOPHYSICAL RESEARCH N65-35151
- RADIATION ABSORPTION**
ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC
PLANTS
REPT.-138 N65-21186
- ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION
ABSORPTION ON ANIMALS, FLIGHT MEDICINE,
PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN
PATHOLOGY N65-21202
- INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY
ABSORPTION IN CELLULAR STRUCTURES
N65-23451
- CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND
ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL
EFFECTIVENESS IN YEAST
NASA-CR-67239 N65-35107
- BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY
N65-36106
- RADIATION BELT**
SA ARTIFICIAL RADIATION BELT
SA TRAPPED RADIATION
SA VAN ALLEN BELT
- FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON
LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN
MAY 1964 A65-30671
- RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS A65-30674
- MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- RADIATION COUNTER**
LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663
- RADIATION DETECTOR**
SA PARTICLE DETECTOR
- TRANSISTORIZED RADIATION MONITOR
A65-80759

SUBJECT INDEX

RADIATION DOSE

- WHOLE-BODY IRRADIATION SCANNER SYSTEM USING THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666
- RADIATION DISTRIBUTION
NATURAL BACKGROUND AND RADIATION LEVELS ATTRIBUTABLE TO LABORATORY OPERATIONS DURING 1963
BNL-915/T-376/ N65-34205
- RADIATION DOSE
HYPOXIA EFFECT ON SUCCESS OF SECOND HOMOLOGOUS GRAFT OF BONE MARROW IN PREVIOUSLY IRRADIATED AND GRAFTED MICE A65-12885
CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE LEVELS A65-14804
SPACE RADIOBIOLOGY TRAINING AND OPERATIONS TO MINIMIZE ASTRONAUT RADIATION DOSE A65-14832
BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION, EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY AND DIELECTRIC LOSSES DUE TO POLARIZATION RELAXATION IN WATER MOLECULES A65-29938
EFFECTIVE RESIDUAL DOSE CONCEPT OF LETHAL RADIATION TO HUMAN AND SPACE RADIATION SHIELDING AIAA PAPER 65-497 A65-30195
RECOVERY RATE AND DOSE-REDUCTION FACTOR IN CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED X-IRRADIATION A65-80171
GENETIC EFFECT OF LOW RADIATION DOSES AND PROBLEMS OF CHEMICAL RADIOPROTECTION A65-80656
MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS VOSTOK-5 AND VOSTOK-6 A65-80857
MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS RELATED TO RADIATION INTENSITY AND EXPOSURE TIME A65-82061
RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL FLIGHTS
FTD-TT-63-1017/1 N65-10877
PROBABILITY DISTRIBUTION OF ACCUMULATED RADIATION DOSE IN BLOOD DIVERTED THROUGH SHUNT
D1-82-0362 N65-10964
ROENTGEN AND GAMMA RADIATION DOSAGE MEASUREMENT FOR RADIATION THERAPY
JPRS-27527 N65-11232
LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE
USNRDL-TR-784 N65-11666
BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908
RADIATION DOSAGE FOR HUMAN ORGANS AND TISSUES
N65-12628
RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605 N65-12939
CORRELATION OF RADIATION DISEASE DATA IN MICE WITH LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE RANGE DIFFERENCE DUE TO INDIVIDUAL
N65-21210
RADIATION DOSE MEASUREMENTS AND SCREENING FOR RADIATION PROTECTIVE COMPOUNDS OF LIVING CELLS - BIODOSIMETRY
N65-22288
RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS TO RADIATION
ORNL-3820 N65-25582
RADIATION PROTECTION AND GENETICS, AND RECOVERY PROCESSES DURING POST-RADIATION PERIOD - RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON ANIMALS, INSECTS, AND YEAST CELLS
AEC-TR-6404 N65-26378
IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT ON RADIATION AT VARIOUS RADIATION DOSE RATES
N65-26384
IRRADIATION OF YEAST FOR TESTING MATHEMATICAL MODEL FOR REMOVAL OF EFFECTIVE DOSE - PHOTOREACTIVATION OF CELLS IRRADIATED BY ULTRAVIOLET
N65-26386
CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS AND RELATION BETWEEN IRRADIATION DOSAGE AND FILTRATION OF PRIMARY BEAM
JPRS-30672 N65-26803
ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS, QUALITATIVE AND QUANTITATIVE CHARACTERISTICS, DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE
N65-26804
FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN IRRADIATION DOSAGE AND FILTRATION OF PRIMARY BEAM
N65-26805
MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE
AECL-2240 N65-27471
EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM THICKNESS ON 1000 KPV X-RAY DEPTH DOSE
UR-667 N65-29886
X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS - TABULATION OF ATTENUATION AND ABSORPTION COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND GASES VS MUSCLE AND BONE
WL-TR-64-134 N65-29998
RADIATION DEPTH DOSE FROM INCIDENT ISOTROPIC FLUX OF MONOENERGETIC PROTONS IN ARBITRARY SIZE SPHERES WITH TISSUE-EQUIVALENT MATERIAL
UCRL-10980 N65-32064
THEORETICAL EVALUATION OF ABSORBED RADIATION DOSE IN TISSUE - EFFECTS OF SHELL CORRECTIONS TO STOPPING POWER IN DOSE STUDIES
ORNL-P-659 N65-32829
TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865
CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY
N65-34596
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF CURRENT-TO-DOSE CONVERSION FACTORS
N65-34597
VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598
QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE - RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO SPACE RADIATION - HIGH ENERGY PROTONS
N65-34607
PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE SPHERES AND SLABS
N65-34611
ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND SPHERICAL MULTILAYER SHIELDING FOR CALCULATION OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSE
N65-34629
CALCULATION OF PROTON PENETRATION AND DOSE RATES FOR TISSUE, ALUMINUM, AND OTHER SHIELDING MATERIALS
N65-34630

- RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND ALPHA PARTICLES - RADIATION DOSE CALCULATIONS
N65-34632
- RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL METHODS OF COMPUTING PRIMARY IONIZATION DOSES - RADIATION DOSE CALCULATIONS
N65-34633
- TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS
NASA-TT-F-9589
N65-35524
- MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS
NASA-CR-65157
N65-36441
- RADIATION EFFECT**
- IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION IN *ESCHERICHIA COLI* CELLS AND RNA MESSENGER DECAY
A65-10633
- COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL CHANGES
A65-14574
- SOLAR AND COSMIC RAY EFFECTS ON PROGENY YIELDS IN FRUIT FLY *DROSOPHILA MELANOGASTER* SUBJECTED TO MAGNETIC ENVIRONMENT
A65-17351
- IONIZING RADIATION EFFECTS ON URACIL CARBON 14 INCORPORATION INTO *ESCHERICHIA COLI* CELLS IN DILUTE SUSPENSION
A65-18224
- CRITICAL ACCELERATION ENDURANCE INCREASE OF IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374
- REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL DEOXYRIBOSIDE
A65-18398
- AEROSPACE MEDICINE REPORT ON RADIATION BIOLOGY AND SPACE ENVIRONMENTAL PARAMETERS IN MANNED SPACECRAFT DESIGN AND OPERATIONS
A65-18633
- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION IN ACTIVE AND HIBERNATING, IRRADIATED AND NONIRRADIATED GROUND SQUIRREL
A65-20020
- BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF MICROWAVE FIELD AND HEATING PATTERNS
A65-20934
- MICROWAVE IRRADIATION EFFECT ON BREEDING, PERIPHERAL BLOOD COMPOSITION, CONDITIONED REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS OF WHITE MICE
A65-20935
- MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF WHITE RATS AND RABBITS
A65-20936
- RADIO WAVE IRRADIATION EFFECT ON CONTENT OF NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE RATS
A65-20937
- HISTOLOGICAL STUDY OF ORGANS OF MICE IRRADIATED WITH CO 60 AND GRAFTED WITH HOMOLOGOUS BONE MARROW
A65-20985
- EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE BLOOD AND ERYTHROCYTES
A65-21941
- MYELINATED FIBER DEGENERATION AND REGENERATION IN CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV ALPHA PARTICLE RADIATION
A65-21945
- X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF BLOOD
A65-24296
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN EXPERIMENTS MODELING EARTH - MOON TRAJECTORY UNDER CONDITIONS OF SOLAR FLARE
A65-25098
- HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST FLIGHTS
A65-29068
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS CONCERNING COSMIC RADIATION EFFECTS ON GENETIC CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT FLIES
A65-30689
- NASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL, EVOLUTIONARY AND GENETIC EFFECTS OF WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH ROTATION
A65-30692
- VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT ON APPEARANCE OF DOMINANT LETHALS IN RUDIMENTARY CELLS OF *DROSOPHILA*
A65-32302
- DELAYED RADIATION EFFECTS ON MORTALITY RATE IN ABDOMEN-IRRADIATED RATS
A65-33405
- MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE RADIATION INJURY IN RAT
A65-80100
- CHANGES IN PERIPHERAL BLOOD OF RATS IRRADIATED IN HYPOTHERMIC STATE
A65-81247
- GENETIC CROSSOVER IN *DROSOPHILA* MALES UNDER INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA RADIATION
N65-10066
- TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON IRRADIATION ON RATS
JPRS-27343
N65-10653
- ANIMAL STUDIES ON RADIATION EFFECTS, IRRADIATION EXPOSURE, AND USE OF THERAPEUTIC COMPOUNDS AS PROTECTIVE AGENTS AGAINST INJURY
AD-607952
N65-11098
- RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605
N65-12939
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE FLIGHT
N65-13632
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING PROCESSES IN BRAIN TISSUES OF RATS
N65-13730
- RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781
- NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION EFFECTS ON HUMAN EEG
FTD-TT-64-267/1&2
N65-14470
- GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR ORGANISMS AND MICROSCOPIC TECHNIQUES FOR OBSERVING LIVING CELLS
NASA-CR-51799
N65-15368
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND X-RAYS ON MAMMALIAN BONE MARROW CELLS
N65-15446
- RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON ANIMAL ORGANISMS
JPRS-28405
N65-15676
- CHANGES ARISING IN PLANTS AFTER EXPOSURE TO IONIZING RADIATION
N65-15678
- FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR EXPLOSION
NADC-ML-6412
N65-15710
- RADIATION EFFECTS IN MAN AND ANIMAL ORGANISM
HW-83613
N65-15860
- LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION
NASA-CR-52231
N65-17068
- PROTON IRRADIATION EFFECT ON LIVING TISSUE
NASA-CR-52679
N65-17289

- IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND SHELF LIFE
UCD-34P80-2 N65-18999
- RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN
AD-610947 N65-19211
- EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN LIVERS OF MICE N65-19212
- INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN RAT LIVERS N65-19213
- INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE N65-19214
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS, AND RABBITS N65-19217
- RADIATION INDUCED CHANGES IN ADENOSINE TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO CHRONIC GAMMA IRRADIATION AND INFLUENCE OF VARIOUS FACTORS ON ACUTE RADIATION INJURY N65-19218
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156 N65-19645
- RADIATION INJURIES AND RESTORATIVE PROCESSES IN CENTRAL NERVOUS SYSTEM OF MAMMALS
JPRS-29288 N65-19665
- EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA AND NEUTRON RADIATION - OPHTHALMOLOGY N65-21209
- RADIATION EFFECTS ON BIOLOGICAL CELLS AND WHOLE ORGANISMS
FTD-TT-62-355/162&4 N65-21540
- USE OF FREE PHAGE AND SYSTEM PHAGE-BACTERIUM IN STUDYING BIOLOGICAL EFFECT OF IONIZING RADIATION
JPRS-29606 N65-21570
- EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS N65-22304
- TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE IN IRRADIATED ORGANISM - ANIMAL STUDY N65-22724
- BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING TISSUES AND ORGANISMS
AED-C-04-16 N65-22844
- RADIATION DAMAGE AND EFFECTS IN INTRACELLULAR COMPONENTS, DEOXYRIBONUCLEIC ACID SYNTHESIS, IONIZING RADIATION, AND RADIATION PROTECTION
FTD-TT-64-515/162 N65-23450
- INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY ABSORPTION IN CELLULAR STRUCTURES N65-23451
- RADIOBIOLOGICAL DAMAGE IN AEROBIC AND ANAEROBIC SYSTEMS N65-23452
- RADIATION EFFECTS ON PROTEIN MOLECULES AND NUCLEIC ACIDS IN SOLUTION AND ON INTERFACES N65-23453
- X-RAY EFFECT ON INTRACELLULAR BACTERIOPHAGE PRODUCTIVITY N65-23454
- IONIZING RADIATION EFFECT ON CELLULAR PROTEIN SYNTHESIS N65-23455
- DRY BACTERIAL SPORE RADIATION SENSITIVITY STUDY FOR DETERMINATION OF INTRACELLULAR CHEMICAL
- REACTIONS DURING IRRADIATION N65-23456
- PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS N65-23458
- X-RAY AND AMINO ACID ANALOG EFFECT ON DNA SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS N65-23459
- RADIATION EFFECT ON LIPID COMPLEXES AND ON LIPID METABOLISM IN CELL N65-23460
- EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION N65-23461
- NORMAL NUCLEAR BIOCHEMICAL PROCESSES AND ANALYSIS OF NUCLEAR RADIATION DAMAGE N65-23462
- LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR DETERMINATION OF LETHAL CONGENITAL ANOMALIES FROM X-RAY DOSES N65-23463
- IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN KIDNEY CELLS N65-23464
- INITIAL STAGES OF RADIATION DAMAGE TO BIOLOGICAL CELLS AND GENETIC MATERIALS AND PREVENTIVE METHODS N65-23465
- HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST CELLS FOR STUDY OF CELLULAR MODIFICATION N65-23466
- INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR SYSTEMS TO IONIZING RADIATION N65-23467
- BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON METABOLISM OF WILD SPECIES OF PLANTS AND ANIMALS
TID-3910, SUPPL. 3 N65-23596
- THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON RETINA OF EYE BY RADIATION - MATHEMATICAL THEORY
FPRC/1222 N65-23616
- RADIATION EFFECT ON RETINA - BURN INJURY STUDY
R-1747 N65-23889
- RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY, SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405 N65-24236
- INFLUENCE OF IONIZING RADIATION ON ORIGIN AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY
JPRS-30161 N65-24315
- SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION OF RADIATION EFFECTS ON BACTERIOPHAGES N65-24616
- CONTAMINATION OF ENVIRONMENT BY NUCLEAR EXPLOSIONS AND ASSESSING RISK OF INDUCTION OF MALIGNANCIES BY RADIATION IN MAN N65-24618
- PHYSIOLOGY - HUMAN AGING AND LONGEVITY, CYBERNETICS, X-RAY IRRADIATION EFFECT, AND OXYGEN PRESSURE DETERMINATION - SCIENTIFIC CONFERENCE REPORTS
JPRS-30099 N65-24875
- RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF DIGESTIVE SYSTEM TO X-RAY IRRADIATION N65-24877
- IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION BETWEEN PRIMARY EFFECTS OF RADIATION AND CHEMICAL MUTAGENS N65-25612
- CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY OF SEEDS AND IRRADIATION INTENSITY N65-25614

STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241

MEDICAL SURVEY OF PEOPLE OF RONGELAP IN MARSHALL
ISLANDS NINE AND TEN YEARS AFTER EXPOSURE TO
RADIATION FALLOUT
BNL-908/T-371/ N65-26295

REALIZATION PERIOD FOR POTENTIAL RADIATION DAMAGE
IN DIPLOID YEAST CELLS N65-26387

CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE
CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES
WASH-1059 N65-27468

EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711

METAL-CONTAINING ENZYME DAMAGE AS EVIDENCE OF
BIOLOGICAL ACTION OF PENETRATING RADIATION
T-413-R N65-27930

TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE
AND SANITATION STUDIES, WATER PURIFICATION,
INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND
AIR SAMPLING
JPRS-30993 N65-28294

EFFECT OF IONIZING RADIATION ON IMMUNITY IN RATS
N65-28299

RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED
STRONTIUM 89, STRONTIUM 90, AND CESIUM 137
N65-28341

RADIATION AND GRAVITATIONAL EFFECT ON WASPS AND
SHRIMP - ANIMAL STUDY
NASA-CR-63829 N65-28538

MOLECULAR GENETICS AND RADIATION EFFECTS ON
HEREDITY
FTD-TT-63-1214/1&2 N65-29131

HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666 N65-29243

IONIZING RADIATION EFFECTS ON MAN AND ANIMALS -
RADIOBIOLOGY AND PATHOLOGY N65-30218

CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING
GENETIC EFFECTS OF RADIATION - HEREDITY
JPRS-31635 N65-31211

MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO
COMBINED EFFECTS OF IONIZING RADIATION AND
NONRADIATION FACTORS N65-31376

EFFECT OF PENETRATING RADIATION ON VESTIBULAR
FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE
WHOLE-BODY GAMMA IRRADIATION N65-31381

EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE
OF SPINAL REFLEX ARC N65-31383

COMBINED EFFECTS OF VIBRATION AND RADIATION ON
FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX
ARC N65-31385

SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH
RADIATION EFFECTS ON MAMMALIAN EYE
TID-3912/INDEX/ N65-31958

RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS
BNL-8469 N65-32842

X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE
CAPACITY, AND LONGEVITY OF BEAGLE DOGS
UCD-472-111 N65-34324

BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN
LARGE ANIMALS - RADIATION EFFECTS N65-34583

RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM
SOLAR FLARE RADIATION - RADIATION EFFECTS

N65-34584

BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA
PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585

BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
EFFECTS IN ANIMALS AND MAN N65-34586

RADIATION EFFECTS THRESHOLDS OF ELECTRONIC
EQUIPMENT AND STRUCTURAL MATERIALS - METALS,
POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC
COMPONENTS N65-34587

SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE
LIMITS FOR CREW PROTECTION N65-34591

SPACE RADIATION EFFECTS ON APOLLO MISSION -
SHIELDING ANALYSIS N65-34592

SPACE RADIATION EFFECTS ON APOLLO MISSION -
ENVIRONMENTAL ANALYSIS N65-34593

SPACE RADIATION EFFECTS ON APOLLO MISSION -
OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594

RADIATION EFFECTS ON FUNCTIONS AND ENZYMATIC
POTENTIAL OF PLATELETS
EUR-2438.F N65-35006

BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY
JPRS-31822 N65-35016

GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF
ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD
CELLS N65-36114

X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO -
COCKROACH, BLABERUS CRANIIFER
TID-21877 N65-36506

RADIATION EXPOSURE

VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS A65-35818

MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539

REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS
AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE
A65-80755

LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE
FROM FRACTIONATED EXPOSURE
USNROL-TR-784 N65-11666

SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237

RADIATION EXPOSURE IN SOLAR PARTICLE BEAMS BEHIND
VERY LOW SHIELDING - RADIATION PROTECTION OF
SPACE SUIT
NASA-CR-62198 N65-21724

RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE N65-25667

ECONOMIC FEASIBILITY OF RADIATION PASTEURIZATION
OF SELECTED PRODUCE COMMODITIES
TID-21628 N65-25879

HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT
AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER
RADIATION EXPOSURE
PG-647/CC/ N65-25935

ANALYSIS OF EXTERNAL RADIATION EXPOSURE -
DOSIMETRY AND NUCLEAR REACTOR SAFETY
AECL-2239 N65-27447

SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING
EXPOSURE TO INTENSE THERMAL RADIATION
DASA-1566 N65-28921

- COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE PHANTOM FOR RADIATION EXPERIMENTS INVOLVING SHEEP
USNRDL-TR-842 N65-30503
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION N65-34943
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE DIFFUSE THERMAL RADIATION EXPOSURE
AMRL-TR-65-64 N65-35045
- ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317
- RADIATION HAZARD**
- SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE FLIGHTS A65-12081
- SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER RADIATION HUMAN EYE CAN ABSORB A65-12397
- ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS A65-13764
- GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE STUDIED IN MINIATURE SWINE A65-16556
- RADIOACTIVE CONTAMINATION OF AIRCRAFT OF U.S.S. CARRIER ENTERPRISE IN MEDITERRANEAN FROM FEBRUARY TO AUGUST 1963 A65-16564
- PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL OF RADIATION OF DIRECT OR REFLECTED BEAMS AS SAFEGUARD TO EYE DAMAGE A65-21951
- PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD VOSKHOD I AND II A65-28943
- CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF MANNED SPACE FLIGHTS TO MOON FROM SOVIET EXPERIMENTAL STUDIES AND DATA A65-33034
- RADIATION HAZARD FROM CONTAMINATED AIRCRAFT EXPOSED TO RADIOACTIVE FALLOUT A65-80386
- RADIATION SAFETY INFORMATION FOR USE IN ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE SYSTEMS A65-80633
- IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT, SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842
- RADIATION ACCIDENTS AND EMERGENCIES IN MEDICINE, RESEARCH AND INDUSTRY A65-81259
- FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO ILLUMINATION AND RADIATION FROM SUN AND ATOMIC BLASTS TOGETHER WITH PROTECTIVE MEASURES A65-82188
- RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM IN INDUSTRY AND STANDARDIZATION OF RADIOACTIVE SUBSTANCES JPRS-27032 N65-10120
- RADIATION HAZARDS IN HANDLING CRUDE STOCKS AND RAW MATERIALS CONTAINING RADIOACTIVE MATERIAL N65-10123
- RADIATION HAZARD TO MAN FROM IODINE 131 UR-653 N65-12340
- RADIATION HAZARD HANDBOOK SUPPLEMENT - PERSONS EXPOSED TO IONIZING RADIATION OR RADIOACTIVE MATERIALS
NASA-TM-X-54859 N65-12416
- X-RAY AND RADIO FREQUENCY RADIATION HEALTH HAZARDS SURROUNDING RADAR TRACKING SYSTEM
NASA-TM-X-55110 N65-12608
- RADIOBIOLOGICAL PROBLEMS IN PROTECTION, PREVENTION, AND THERAPY OF HIGH ENERGY RADIATION INJURY
DI/HP/39 N65-14173
- CYTOPHYSIOLOGICAL AND BIOCHEMICAL INVESTIGATIONS OF MICROORGANISMS DURING RESTORATION FOLLOWING RADIATION INJURY N65-15677
- PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE AND SPACE RADIATION HAZARDS
JPRS-29656 N65-21804
- HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION FROM RADIOACTIVE CLOUD, INHALATION, OR INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S/-R-64 N65-25154
- HEALTH ASPECTS OF PLUTONIUM HANDLING - RADIATION HAZARDS, CONTROL, CONTAINMENT, MONITORING, AND EMERGENCY PROCEDURES
AERE-L-151 N65-25164
- MEDICAL SURVEY OF PEOPLE OF RONGELAP IN MARSHALL ISLANDS NINE AND TEN YEARS AFTER EXPOSURE TO RADIATION FALLOUT
BNL-908/T-371/ N65-26295
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS - RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
AEC-TR-6550 N65-27771
- STRONTIUM 90 IN HUMAN BONE - RADIATION HAZARD EVALUATION
REPT.-10 N65-29860
- MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS CONTROL OF RADIOLOGICAL HAZARD
RCC-R-178 N65-33014
- RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT N65-34581
- RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY FRACTIONAL CELL LETHALITY APPROACH N65-34603
- RADIATION MEASUREMENT**
- DETERMINATION OF ENERGY ABSORBED IN WATER FROM RELATIVISTIC COSMIC RAY PARTICLES USING CERENKOV EFFECT A65-80758
- ELECTROMAGNETIC RADIATION AND LIFE PROCESSES A65-81394
- RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL FLIGHTS
FTD-TT-63-1017/1 N65-10877
- ROENTGEN AND GAMMA RADIATION DOSAGE MEASUREMENT FOR RADIATION THERAPY
JPRS-27527 N65-11232
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS WORLDWIDE SAMPLINGS AND STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158 N65-22800
- SPATIAL SUMMATION OF PAIN FOR LARGE BODY AREAS USING HIGH INTENSITY INFRARED RADIATION
DASA-1568 N65-29159
- BETA RADIATION PENETRATION DETERMINATION OF STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS THICKNESSES
REPT.-155 N65-31074
- RADIATION MEDICINE**
- RADIATION PROTECTION EFFECTS OF AET AND 5-MOT AS FUNCTION OF MARROW CELLS IN MICE

RADIATION PROTECTION

SUBJECT INDEX

- BIOCHEMISTRY AND RADIATION IMMUNOLOGY
JPRS-28016 A65-26896
- RADIATION IMMUNOLOGY N65-15666
- NUCLEAR MEDICINE AND RADIATION BIOLOGY
UCLA-12-541 N65-17997
- TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS
IN X-RAY PROTECTION STUDY
UCLA-12-547 N65-21538
- RADIATION MEDICINE - USE OF RADIATION IN CLINICAL
DIAGNOSIS, RADIATION INJURY, DETECTING
RADIOACTIVITY, AND RADIOSENSITIVITY
ORINS-49 N65-25657
- GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION
N65-25658
- HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING N65-25659
- PREVENTION OF INFECTIONS AND HEMORRHAGIC
MANIFESTATIONS FOLLOWING SEVERE RADIATION
DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES
N65-25661
- SHIFT IN DISTRIBUTION OF BODY NITROGEN IN
IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662
- TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION
EXPOSURE, DAMAGE, AND TREATMENT
FTD-TT-64-1058/162 N65-25775
- DESIGN OF RADIATION STERILIZATION PLANTS FOR
MEDICAL SUPPLIES AND PHARMACEUTICALS
AECL-2264 N65-28023
- RADIATION PROTECTION**
- ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733
- RADIATION PROTECTION EFFECTS OF AET AND 5- MDT AS
FUNCTION OF MARROW CELLS IN MICE A65-26896
- RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS A65-29943
- HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- RADIOPROTECTIVE COMPOUNDS EFFECT ON PERSISTENT
AFTERGLOW OF U V-IRRADIATED SERUM ALBUMIN
SOLUTIONS A65-30481
- MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL
CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND
CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY
TRANSFER A65-80162
- ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/
A65-80169
- EFFECT OF S, 2,-AMINO-ETHYLISOTHIURONIUM ON IMMUNE
MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA
CELLS A65-80170
- RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171
- PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264
- CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE
- RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
CYSTEAMINE A65-80325
- ROLE OF OXYGEN IN PHENOMENA OF CHEMICAL
PROTECTION AGAINST IONIZING RADIATION A65-80351
- REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE
THROUGH MAGNETIC FIELD PRETREATMENT A65-80367
- ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
TO RADIATION DAMAGE INFLICTED AFTER USE OF
CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
IN RATS AND MICE A65-80419
- RADIOPROTECTIVE ACTION OF MELANIN IN X-RAY
RADIATION EXPOSURE IN MICE A65-80543
- RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION A65-80622
- MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS A65-80657
- EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND
HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL
INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717
- CYSTEAMINE PROTECTION OF HAIR LOSS AFTER LOCAL
IRRADIATION IN RAT A65-80733
- AET /S, 2-AMINOETHYLISOTHIUREA-DI-HBR/ AS
RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA
URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS
A65-80741
- 2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND
BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION
A65-80824
- REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE A65-80827
- IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT,
SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842
- RADIATION PROTECTIVE EFFECT OF ETHYL PALMITATE,
OLIVE OIL AND OTHER VEGETABLE OILS IN MOUSE
A65-80844
- PROTECTIVE EFFECT OF CYSTEINE AND S,
2-AMINO-ETHYLISOTHIURONIUMBROMIDE-HYDROBROMIDE ON
RADIATION-INDUCED LETHAL MUTATION IN MOUSE
A65-80845
- ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE
EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033
- PRINCIPLES OF RADIATION PROTECTION A65-81047
- PROTECTION OF LYMPHOCYTES IN THYMUS OF
X-IRRADIATED RATS BY CYSTEAMINE A65-81235
- RADIOPROTECTIVE EFFICIENCY OF MEXAMINE A65-81243
- HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE
MARROW OF MICE TWICE IRRADIATED WITH COBALT 60
DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE
MARROW A65-81265
- RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS A65-81300
- DISTRIBUTION OF PSEUDOURREA AS RESULT OF VARIOUS

SUBJECT INDEX

RADIATION RESISTANCE

- MODES OF INTRODUCTION, DOSES AND CONDITIONS OF IRRADIATION IN MICE A65-81675
- TRANSPLANTS OF HEMOPOIETIC TISSUE AS RADIOPROTECTIVE MECHANISM IN RABBITS A65-81676
- PROTECTIVE ROLE OF FOODS AND VITAMINS AGAINST RADIATION EFFECT IN DOGS AND RATS A65-81702
- EXPERIMENTAL USE OF STERILE HYDROLYSATES OF VARIOUS ORGANS FOR PROTECTION AGAINST ACUTE RADIATION SICKNESS IN RATS A65-81870
- SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN RAT AS COMPARED TO MOUSE A65-81888
- EFFECT OF SUBCUTANEOUS INJECTIONS OF MAGNESIUM SULFATE SOLUTION ON DEGREE OF STRONTIUM 90 ABSORPTION IN EXPERIMENTAL ANIMALS A65-82181
- EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS IN DOGS A65-82182
- GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA COLI A65-82320
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND PROTECTIVE EFFECTS OF DRUGS ON MICE N65-10065
- CHEMICAL ANTIRADIATION PROTECTION AND HYGIENIC STANDARDIZATION OF IONIZING RADIATION N65-10125
- PROTECTION, SOURCES, AND DOSIMETRY OF RADIOACTIVE CONTAMINATION IN HUMAN BODY AND ENVIRONMENT JPRS-27535 N65-12626
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON VOSTOK SPACECRAFT N65-13657
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- ANIMAL STUDIES ON RADIATION PROTECTION AFFORDED BY CYSTEAMINE AND OTHER CHEMICAL COMPOUNDS EUR-1835.F N65-13804
- TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM IRRADIATED RATS JPRS-28981 N65-17890
- RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS NASA-TT-F-9259 N65-18337
- RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN AD-610947 N65-19211
- DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE N65-19215
- RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216
- CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY GAS MASKS AND PROTECTIVE CLOTHING FTD-TT-64-998/162 N65-20024
- SURVEY OF DRUGS FOR PROTECTION FROM IONIZING RADIATION N65-20138
- ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS AND RADIATION PROTECTION NASA-CR-62133 N65-21422
- TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS
- IN X-RAY PROTECTION STUDY UCLA-12-547 N65-21538
- CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS UCLA-12-551 N65-21823
- PROTECTION AGAINST X- AND GAMMA RADIATION IN MICE PRETREATED WITH 2-AMINOETHYLISOTHIOURONIUM BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE CREATININE SULFATE AND IN NONTREATED MICE UCLA-12-552 N65-21824
- HUMAN PROTECTION FOR IONIZING RADIATION AND EFFECTIVENESS AND TOXICITY OF RADIOPROTECTIVE AGENTS FTD-TT-64-948/1 N65-22069
- EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS IN ISOTOPE LABORATORIES IN POLAND CLOR-34 N65-22501
- RADIATION DAMAGE AND EFFECTS IN INTRACELLULAR COMPONENTS, DEOXYRIBONUCLEIC ACID SYNTHESIS, IONIZING RADIATION, AND RADIATION PROTECTION FTD-TT-64-515/162 N65-23450
- RADIATION PROTECTION BY CHEMICAL COMPOUNDS IN MAMMALS N65-23468
- PROTECTIVE ROLE OF FOOD AND VITAMINS IN RADIATION INJURIES TO ORGANISM N65-24942
- PROPERTIES OF LOG NORMAL DISTRIBUTION AND APPLICATION TO RADIATION PROTECTION AERE-R-4736 N65-25647
- PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL CONTAMINATION BY STRONTIUM 89, STRONTIUM 90, AND CESIUM 137 - RADIATION PROTECTION STANDARDS REPT.-7 N65-25882
- CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS, AND MAN-MACHINE SYSTEM RELIABILITY N65-27419
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS NASA-TT-F-9429 N65-27715
- BIOLOGICAL EFFECT OF PROTONS - EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON AFTERGLOW OF IRRADIATED SOLUTIONS OF SERUM ALBUMIN - MUSCULAR SYSTEM EXCITATION DISTRIBUTION JPRS-31547 N65-31038
- EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF SERUM ALBUMIN N65-31040
- NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET UNION JPRS-31646 N65-32010
- EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE MECHANISM OF CYSTEINE N65-32652
- RADIATION RESISTANCE
- OXYGEN EFFECT ON RADIATION RESISTANCE OF MICE EXPOSED TO IONIZING DOSES IN CONTROLLED ENVIRONMENT A65-14225
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR HELIUM-OXYGEN ATMOSPHERE A65-22902
- RADIATION RESISTANCE OF MICE AS AFFECTED BY EXERCISE AND OXYGEN BREATHING A65-80132
- CHEMICAL PROPHYLAXIS EFFECTS ON RADIATION RESISTANCE AND TOLERANCE IN HUMAN AND ANIMALS JPRS-27227 N65-10039
- EFFECT OF REDUCED REACTIVITY OF ORGANISM ON RESISTANCE TO EXTREME ACCELERATION AND RADIATION N65-13760

- RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL
AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378
- PROPERTIES OF TEXTILES USED FOR THERMAL RADIATION
PROTECTION
TS-132 N65-31974
- RADIATION SHIELDING
SA HEAT SHIELD
SA SOLAR RADIATION SHIELD
- EFFECTIVE RESIDUAL DOSE CONCEPT OF LETHAL
RADIATION TO HUMAN AND SPACE RADIATION SHIELDING
AIAA PAPER 65-497 A65-30195
- FUNDAMENTAL STUDIES ON HIGH ENERGY RADIATION
SHIELDING BY VARIOUS METALS A65-80101
- DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR
NEUTRON SOURCES - POLONIUM AND RADIUM
JPRS-27625 N65-12074
- IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT -
LIFE SUPPORT SYSTEMS N65-34620
- LOCAL DOSE FROM PROTON AND ALPHA PARTICLE ENDERS
BEHIND COMPLEX SHIELDING N65-34631
- SPACE RADIATION SHIELDING CODE FOR SPACECRAFT
GEOMETRY N65-34634
- RADIATION SICKNESS
PROBLEMS IN ESTIMATING RECOVERY FROM RADIATION
INJURY IN MAMMAL A65-80163
- RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE
OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES
A65-80164
- DIAGNOSIS, AND TREATMENT OF HUMAN RADIATION
INJURY AFTER WHOLE-BODY EXPOSURE WITH PROGNOSIS
FOR LEUKEMIA A65-80165
- ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO
ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT
A65-80166
- ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY
IRRADIATION IN MAN A65-80167
- PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264
- RESPONSE OF VESTIBULAR APPARATUS TO IONIZING
RADIATION AND CORIOLIS ACCELERATION IN RABBITS
A65-80536
- PROPHYLACTIC AND THERAPEUTIC USES OF ULTRAVIOLET
RADIATION IN X-RAY RADIATION DAMAGE IN ALBINO RATS
A65-80593
- PROPHYLACTIC EFFECT OF AEROIONIZATION IN ACUTE
RADIATION SICKNESS A65-80800
- FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS
RELATION TO RADIATION SICKNESS AND MORTALITY OF
MULTIPLE IRRADIATED MICE A65-81748
- EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS A65-82029
- EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN
ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN
RABBITS A65-82030
- EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON
PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS
IN DOGS A65-82182
- INFLUENCE OF BLOODLETING ON BONE MARROW FUNCTION
DURING RADIATION SICKNESS
JPRS-27293 N65-10306
- PATHOGENIC MECHANISMS - PULMONARY BLOOD VESSEL
CHANGE DUE TO CHRONIC RADIATION SICKNESS
- FTD-MT-63-223 N65-11581
- RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION
SICKNESS N65-17810
- CHANGES IN EXTRACELLULAR FLUID SPACE IN WATER
BALANCE DISTURBANCES OF ORGANISM AND ORGANS
DURING RADIATION SICKNESS
FTD-TT-64-912/1&2&3&4 N65-17916
- THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS N65-18387
- DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING
LIVER DURING ACUTE RADIATION SICKNESS IN RATS
N65-20142
- RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION
INJURY DURING IRRADIATION OF VARIOUS PARTS OF
HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF
ACUTE RADIATION SICKNESS
JPRS-29410 N65-20599
- CORRELATION OF RADIATION DISEASE DATA IN MICE WITH
LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE
RANGE DIFFERENCE DUE TO INDIVIDUAL N65-21210
- INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES,
AND BONE MARROW OF RABBITS EXPOSED TO RADIATION
N65-21211
- MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY
COMPUTER, GAS EXCHANGE DURING RADIATION
SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC
ENVIRONMENT
JPRS-29788 N65-22728
- OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE
DURING RADIATION SICKNESS N65-22730
- DOG RECOVERY FROM RADIATION SICKNESS - STATE OF
MYELOPOIESIS IN DOGS UNDER REPEATED IONIZING
RADIATION N65-26389
- ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY
ANIMALS AND ANIMALS WITH RADIATION SICKNESS
N65-28704
- CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN
JPRS-31349 N65-29879
- AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS
WITH ACUTE RADIATION SICKNESS
FTD-TT-65-383/1&4 N65-33411
- RADIATION SOURCE
NATURAL GAMMA RADIATION SOURCES AND RADIOACTIVE
ISOTOPES N65-12627
- IONIZING RADIATION SOURCE HANDLING REGULATIONS IN
YUGOSLAVIA
JPRS-31993 N65-34102
- RADIATION THERAPY
ROENTGEN AND GAMMA RADIATION DOSAGE MEASUREMENT
FOR RADIATION THERAPY
JPRS-27527 N65-11232
- RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE N65-25667
- TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION
EXPOSURE, DAMAGE, AND TREATMENT
FTD-TT-64-1058/1&2 N65-25775
- CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,
AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-O-4/65 N65-28883
- X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX
CANCER IN U.S.S.R. N65-30219
- DOSIMETRY AND RADIATION THERAPY IN U.S.S.R.

- N65-30220
- RADIATION TOLERANCE**
CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS,
CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS,
EXTERNAL RADIATION TOXICITY, AND METABOLISM
OF FISSION PRODUCTS
ANL-6971
- N65-24249
- RADIO COMMUNICATION**
BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK
BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR
RECORDING BIOLOGICAL DATA DURING MOVEMENT AND
ACTIVITY
FTD-MT-64-416
- N65-22425
- RADIO ELECTRONICS**
RADIO ELECTRONICS IN SPACE MEDICINE
FTD-TT-64-836/1&2
- N65-18041
- RADIO FREQUENCY**
BIOLOGICAL SENSITIVITY AND INTERACTION WITH
RADIOFREQUENCY AND MICROWAVE ENERGY
A65-81090
- X-RAY AND RADIO FREQUENCY RADIATION HEALTH HAZARDS
SURROUNDING RADAR TRACKING SYSTEM
NASA-TM-X-55110
- N65-12608
- HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO
FREQUENCY FIELDS
GE/EE/64-11
- N65-16662
- EFFECT OF VARIOUS RADIO FREQUENCIES ON CLINICAL
SYNDROMES - MEDICINE
JPRS-29694
- N65-21573
- LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- RADIO FREQUENCY HEATING**
MICROWAVE HEATING IN MAN AND ANIMALS FOR VARIOUS
INTENSITIES AND EXPOSURE TIMES
A65-29059
- RADIO PROBING**
TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON
UNIVERSAL POWER SUPPLY AND RADIOPROBE FOR
DETECTING FOREIGN BODIES
JPRS-29954
- N65-23446
- RADIOPROBE FOR DETECTION OF FOREIGN BODIES
N65-23448
- RADIO SIGNAL**
LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- RADIO SIGNAL ABSORPTION**
LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- RADIO TELEMETRY**
RADIO TELEMETRIC STUDIES IN MEDICINE AND
PHYSIOLOGY
JPRS-27600
- N65-12732
- RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE -
AEROSPACE MEDICINE
JPRS-30528
- N65-25540
- RADIO TRACKING**
LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- RADIO WAVE**
PROBLEMS OF INDUSTRIAL HYGIENE AND BIOLOGICAL
EFFECT PRODUCED BY RADIO WAVES OF DIFFERENT BANDS
A65-80065
- BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM
PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES
- N65-10122
- RADIOACTIVE CONTAMINATION**
RADIATION HAZARD FROM CONTAMINATED AIRCRAFT
EXPOSED TO RADIOACTIVE FALLOUT
A65-80386
- APPARATUS WITH PLETHYSMOGRAPH TO MONITOR
RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY
SYSTEM
LF-16
- N65-11573
- PROTECTION, SOURCES, AND DOSIMETRY OF RADIOACTIVE
CONTAMINATION IN HUMAN BODY AND ENVIRONMENT
JPRS-27535
- N65-12626
- RADIOACTIVE CONTAMINATION IN STABLE ELEMENTS OF
HUMAN BODY AND ENVIRONMENT
N65-12629
- ENVIRONMENTAL AND FOOD CHAIN RADIOACTIVE
CONTAMINATION LEVEL DETERMINATION
EUR-2107.F
- N65-21181
- ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC
PLANTS
REPT.-138
- N65-21186
- ANNOTATED BIBLIOGRAPHY ON PHYSICAL AND CHEMICAL
METHODS FOR REMOVAL OF RADIOACTIVE CONTAMINATION
TID-3535, SUPPL. 1
N65-24262
- FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION
OF AIR AND FREQUENCY OF AIR EXCHANGE IN
IRRADIATION CHAMBERS
N65-24941
- MATHEMATICAL DETERMINATION OF FRACTIONING
COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM
RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR
EXPLOSIONS
JPRS-30500
- N65-25458
- SURVIVAL OF WINTER ANNUALS IN GROUND CONTAMINATED
WITH NUCLEAR RADIATION
UCLA-12-555
- N65-32824
- ANATOMICAL AND PHYSIOLOGICAL SCHEMA OF
GASTROINTESTINAL TRACT FOR DETERMINATION OF
RADIOACTIVE CONTAMINATION LEVELS
CEA-R-2413
- N65-32989
- RADIOACTIVE DEBRIS**
RADIATION FALLOUT MEASUREMENTS FROM VARIOUS
WORLDWIDE SAMPLINGS AND STRATOSPHERIC
DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158
- N65-22800
- STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS
FROM SYSTEM FOR NUCLEAR AUXILIARY POWER- 9 A
/ SNAP-9A/ BY PLUTONIUM ISOTOPE MEASUREMENTS
N65-22801
- BIOLOGICAL EFFECTS OF SMALL RADIOACTIVE PARTICLES
FROM ATMOSPHERIC DEBRIS
LA-3365-MS
- N65-32357
- RADIOACTIVE DECAY**
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY
OF RADIOACTIVE MATERIAL IN COMPARTMENTED
SYSTEM
ORNL-3809
- N65-25848
- RADIOACTIVE FALLOUT**
RADIOACTIVE CONTAMINATION OF AIRCRAFT OF U.S.S.
CARRIER ENTERPRISE IN MEDITERRANEAN FROM
FEBRUARY TO AUGUST 1963
A65-16564
- FALLOUT DEPOSITION - RADIOACTIVE NUCLIDE LEVELS
IN MILK, TAP WATER, SOIL, AND UPPER ATMOSPHERE
AIR SAMPLES
HASL-155
- N65-15865
- STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN
PRECIPITATION, SOIL, SEA WATER, VEGETATION,
ANIMALS, AND DRINKING WATER IN GREENLAND
RIS0-87
- N65-18474
- RADIOACTIVE FALLOUT - LITERATURE ON MATERIALS
PRODUCED BY NUCLEAR EXPLOSIONS
TID-3086, SUPPL. 2
- N65-21442

RADIOACTIVE ISOTOPE

SUBJECT INDEX

- HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933
- MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS
RRA-T45 N65-22222
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS
WORLDWIDE SAMPLINGS AND STRATOSPHERIC
DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158 N65-22800
- MATHEMATICAL DETERMINATION OF FRACTIONING
COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM
RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR
EXPLOSIONS
JPRS-30500 N65-25458
- RADIOACTIVE ISOTOPE**
SA CESIUM 137
SA COBALT 60
SA IODINE 131
SA PHOSPHORUS 32
SA PLUTONIUM 239
SA RUBIDIUM 86
SA STRONTIUM 90
- NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR
RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE
STUDIES A65-16780
- LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING
LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL
VARIATIONS AND AGENTS RESPONSIBLE A65-29012
- EQUATIONS FOR MEASURING BLOOD FLOW BY EXTERNAL
MONITORING OF RADIOISOTOPES A65-81119
- NATURAL GAMMA RADIATION SOURCES AND RADIOACTIVE
ISOTOPES N65-12627
- HEALTH CHEMISTRY PROCEDURES FOR RADIOISOTOPE
SAFETY
UCRL-11700 N65-12830
- RADIOISOTOPIC BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE
NASA-CR-55529 N65-16276
- RADIOISOTOPIC BIOCHEMICAL PROBE OF MICROORGANISMS
FOR EXTRATERRESTRIAL LIFE
NASA-CR-55535 N65-16478
- RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III
MODEL
NASA-CR-56214 N65-16497
- EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS
IN ISOTOPE LABORATORIES IN POLAND
CLOR-34 N65-22501
- SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131
AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES
REPT.-143 N65-23307
- METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY
CHLORELLA VULGARIS
REPT.-132 N65-23645
- BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF
RADIOIODINE ISOTOPE DOSAGE TO THYROID
UCRL-12492 N65-24727
- ANNOTATED BIBLIOGRAPHY ON TECHNIQUES AND
INSTRUMENTS FOR RADIOACTIVE ISOTOPES
TID-3512, SUPPL. 1 N65-25023
- EFFECT OF DIET ON RAT EXCRETION OF TRITIUM
RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF
TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE
AAL-TR-64-29 N65-25344
- DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES
OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS
ORGANS N65-26393
- USE OF ISOTOPES IN CLINICAL, PREVENTIVE, AND
GENERAL MEDICINE N65-27609
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS -
RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
AEC-TR-6550 N65-27771
- CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD
VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION
OF RADIOACTIVE ISOTOPES
JPRS-31007 N65-28223
- DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN
U.S.S.R. N65-30222
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS
UR-668 N65-33020
- STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND
DIETS OF CHILDREN N65-36616
- FATE OF SPLEEN CELLS LABELLED WITH TRITIUM -
SENSITIVITY IN VIVO CULTURES DURING SECONDARY
RESPONSE OF ANTIBODY N65-36617
- RADIOACTIVE MATERIAL**
RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON
CENTRAL NERVOUS SYSTEM IN INDUSTRY AND
STANDARDIZATION OF RADIOACTIVE SUBSTANCES
JPRS-27032 N65-10120
- RADIATION HAZARDS IN HANDLING CRUDE STOCKS AND RAW
MATERIALS CONTAINING RADIOACTIVE MATERIAL
N65-10123
- STANDARDIZATION OF RADIOACTIVE SUBSTANCES
N65-10124
- COMBINED RADIOACTIVE MATERIAL INHALATION AND
HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION
TECHNIQUE FOR LUNG SCANNING FOR PULMONARY
FUNCTION EVALUATION
UCLA-12-556 N65-24272
- HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S-R-64 N65-25154
- HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT
AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER
RADIATION EXPOSURE
PG-647/CC/ N65-25935
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS
UR-668 N65-33020
- RADIOACTIVE NUCLIDE**
USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT
OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL
SPECIMENS A65-81970
- FALLOUT DEPOSITION - RADIOACTIVE NUCLIDE LEVELS
IN MILK, TAP WATER, SOIL, AND UPPER ATMOSPHERE
AIR SAMPLES
HASL-155 N65-15865
- HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933
- RADIOACTIVE PARTICLE**
BIOLOGICAL EFFECTS OF SMALL RADIOACTIVE PARTICLES
FROM ATMOSPHERIC DEBRIS
LA-3365-MS N65-32357
- RADIOACTIVE WASTE**
RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS

SUBJECT INDEX

RADIOLOGY

- TO RADIATION
ORNL-3820 N65-25582
- RADIOACTIVITY
SA FISSION PRODUCT
- LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663
- AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM N65-25668
- CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS
OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392
- RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTOBIOCHEMISTRY - ABIOTIC N65-27062
- RADIOBIOLOGY
- SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC
IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE
FLIGHTS A65-12081
- SPACE RADIOBIOLOGY TRAINING AND OPERATIONS TO
MINIMIZE ASTRONAUT RADIATION DOSE A65-14832
- NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR
RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE
STUDIES A65-16780
- AEROSPACE MEDICINE REPORT ON RADIATION BIOLOGY
AND SPACE ENVIRONMENTAL PARAMETERS IN MANNED
SPACECRAFT DESIGN AND OPERATIONS A65-18633
- RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS,
ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS,
BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES,
SYNTHESIS OF TRACERS, AND INSTRUMENTATION
ACRH-22 N65-15627
- NUCLEAR MEDICINE AND RADIATION BIOLOGY
UCLA-12-541 N65-17997
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND
LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151
- SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY,
PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY
JPRS-29292 N65-21236
- ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374
- RADIOBIOLOGICAL DAMAGE IN AEROBIC AND ANAEROBIC
SYSTEMS N65-23452
- FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL
INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN
IRRADIATED BIOLOGICAL CELLS N65-23457
- CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS,
CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS,
EXTERNAL RADIATION TOXICITY, AND METABOLISM
OF FISSION PRODUCTS ANL-6971 N65-24249
- LABORATORY MANUAL FOR RADIATION BIOLOGY
TID-18616, REV. N65-24623
- IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- SOVIET RESEARCH IN GENETICS, PHYSIOLOGY, AND
RADIOBIOLOGY JPRS-30485 N65-25611
- CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY
OF SEEDS AND IRRADIATION INTENSITY N65-25614
- TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION
EXPOSURE, DAMAGE, AND TREATMENT FTD-TT-64-1058/162 N65-25775
- STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241
- RADIATION PROTECTION AND GENETICS, AND RECOVERY
PROCESSES DURING POST-RADIATION PERIOD -
RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON
ANIMALS, INSECTS, AND YEAST CELLS
AEC-TR-6404 N65-26378
- CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM,
AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD
AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND
RADIOACTIVE TRACING MEASUREMENTS
AAL-TDR-64-14 N65-27531
- METAL-CONTAINING ENZYME DAMAGE AS EVIDENCE OF
BIOLOGICAL ACTION OF PENETRATING RADIATION
T-413-R N65-27930
- RADIOLOGICAL PHYSICS, BIOPHYSICS, AND RADIOBIOLOGY
NYO-2740-2 N65-28021
- BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288
- IONIZING RADIATION EFFECTS ON MAN AND ANIMALS -
RADIOBIOLOGY AND PATHOLOGY N65-30218
- RADIATION BIOLOGY INVESTIGATIONS WITH FRESH
WATER ORGANISMS - CYBERNETICS N65-30265
- CELLULAR AND BIOCHEMICAL RADIOBIOLOGY
EUR-2201.F N65-31915
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR
EARTH TO MOON MANNED SPACE FLIGHTS
NASA-TT-F-9458 N65-32265
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS UR-668 N65-33020
- RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM
SOLAR FLARE RADIATION - RADIATION EFFECTS
N65-34584
- BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY JPRS-31822 N65-35016
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE
DIFFUSE THERMAL RADIATION EXPOSURE
AMRL-TR-65-64 N65-35045
- RADIOCHEMISTRY
- HEALTH CHEMISTRY PROCEDURES FOR RADIOISOTOPE
SAFETY UCRL-11700 N65-12830
- ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- RADIOGRAPHY
- SA AUTORADIOGRAPHY
- SA PHOTOGRAPHY
- EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGAPHY WITH CARBON 14 A65-31725
- RADIOACTIVE NUCLIDES FOR CLINICAL RADIOGRAPHY
REPT.-5 N65-13532
- BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY
N65-36106
- RADIOLOGY
- RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET

- PILOTS A65-80919
- RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605 N65-12939
- X-RAY DIAGNOSIS, RADIOTHERAPY, AND NUCLEAR
MEDICINE - RADIOLOGICAL PHYSICS N65-18086
- RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES,
EXPOSURE OF MICE TO GAMMA RADIATION, AND
LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS
EXPOSED TO RADIATION N65-21208
FTD-TT-64-746/162
- EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS
IN ISOTOPE LABORATORIES IN POLAND
CLOR-34 N65-22501
- ROENTGENOLOGY AND RADIOLOGY IN INDUSTRY AND
MEDICINE N65-26391
JPRS-30622
- USE OF ISOTOPES IN CLINICAL, PREVENTIVE, AND
GENERAL MEDICINE N65-27609
- RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND
X-RAY DIAGNOSIS IN U.S.S.R. N65-30215
JPRS-31300
- MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED
CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS
CONTROL OF RADIOLOGICAL HAZARD N65-33014
RCC-R-178
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS N65-33020
UR-668
- ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS,
RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS
TECHNOLOGY, AND INSTRUMENTATION N65-33022
BNWL-36
- STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- RADIOLYSIS**
- RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828
- RADIOPATHOLOGY**
- SA RADIATION SICKNESS
- RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES N65-19472
JPRS-29282
- RADIOSENSITIVITY**
- INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE A65-30077
- X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED
CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL
CYCLE A65-80617
- RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE N65-25667
- DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON
OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME
N65-26383
- WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES N65-26388
- INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT
OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
N65-26396
- RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS
BNL-8469 N65-32842
- RADIUM**
- GAMMA RAY SPECTROSCOPY OF MAN - LONG TERM EFFECTS
OF RADIUM DEPOSITION, MEASURING TECHNIQUES,
RADIUM DISTRIBUTION AND RETENTION, AND CESIUM
AND POTASSIUM ACCUMULATION N65-21241
ANL-6839
- RADIUM 226**
- EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING
GROWTH PERIOD OF BEAGLE AND ITS RELATION TO
RADIUM 226 TOXICITY N65-32350
UCD-472-112
- RAFT**
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT A65-81375
- RANDOM ERROR**
- BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN
PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND
MACHINES A65-35479
- RANDOM NOISE**
- PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING
OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE
BACKGROUND A65-29976
- RANDOM SAMPLE**
- PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
CATEGORIES N65-26585
ORC-65-4
- CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES N65-36307
TR-3
- RANDOM VIBRATION**
- MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION
TO RANDOM VIBRATION N65-13999
AMRL-TR-64-91
- RARE EARTH**
- DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES N65-24619
COO-1170-3
- RARE GAS**
- SA ARGON
SA HELIUM
SA NEON
- INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING
PHYSIOLOGICAL SUITABILITY AND ENGINEERING
CONSTRAINTS A65-14576
- RAREFIED GAS**
- FORERUNNERS OF AVIATION MEDICINE - STUDIES OF
MOUNTAIN SICKNESS AND CONSUMPTION OF RAREFIED
AIR N65-21726
- RAT**
- ACCELERATION STRESS EFFECTS ON RATS HEART RATE,
USING ELECTROCARDIOGRAMS A65-10745
- BRAIN MATURATION CORRELATION WITH ALTITUDE
ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK
SEIZURES IN RATS A65-16782
- METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416
- G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- DELAYED RADIATION EFFECTS ON MORTALITY RATE IN
ABDOMEN-IRRADIATED RATS A65-33405
- CHANGES IN LIVER LIPID METABOLISM OF RATS
SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS A65-33527

SUBJECT INDEX

RAT

AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND ADAPTATION OF RAT IN RESPONSE TO IONIZING RADIATION A65-80055

OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD, AND THERMONEUTRAL WATER A65-80078

MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE RADIATION INJURY IN RAT A65-80100

ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED REFLEXES IN RAT A65-80105

DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE A65-80116

ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE, PROMETHAZINE, AND PLANT HORMONES AS RELATED TO ACCELERATION TOLERANCE OF RAT A65-80141

ACUTE AND CHRONIC EFFECTS IN RAT EXPOSED TO OXYGEN AT HIGH PRESSURE A65-80142

HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALACETIC-TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF MYOCARDIUM OF RAT A65-80154

INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON METABOLISM OF ADIPOSE TISSUE IN RAT A65-80182

ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT /STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT /ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING HIGH ALTITUDE ACCLIMATIZATION A65-80225

BRAIN DISORDERS AND LEVELS OF AMINO ACIDS OF RAT DURING ANOXIA A65-80230

PRIMARY CORTICAL RESPONSE OF SOMATOSENSORY AREA IN RATS DURING PROLONGED HYPOXIA A65-80232

VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM AND ITS CATECHOLAMINE MEDIATORS IN RATS A65-80233

BODY TEMPERATURE CHANGES AND EFFECT ON THETA RHYTHM IN RAT HIPPOCAMPUS A65-80330

REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS ADAPTED TO TUMBLING TRAUMA A65-80331

LYMPHOCYTOPENIA AND ADAPTATION AFTER TUMBLING TRAUMA IN RAT A65-80332

INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT BRAIN A65-80360

PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND VARIOUS ORGANS IN RATS A65-80394

TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA DURING HIGH ALTITUDE SIMULATION A65-80443

MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE MUSCULAR WORK A65-80513

ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION HEMOGLOBIN IN RATS A65-80538

PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO JUXTAGLOMERULAR CELLS OF KIDNEY A65-80559

HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA BUT LOWERED BY INSULIN AND CHLORPROMAZINE A65-80587

ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS ADAPTED TO HYPOXIA A65-80590

ROLE OF MUSCULAR CONTRACTIONS IN CHEMICAL

THERMOREGULATION IN ALBINO RATS UNDER HYPOXIC CONDITIONS A65-80603

RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO X-RAY IRRADIATION A65-80622

EFFECT OF CAMPHOR ON CARBOHYDRATE-PHOSPHORUS AND OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA IN RATS A65-80628

CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT OF RAT PINEAL GLAND A65-80654

RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS AMBIENT PRESSURES A65-80669

COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID GLAND FUNCTION IN RATS A65-80712

UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID SYNTHESIS IN BRAIN AND LIVER OF RATS DURING HYPOXIA AND POST-HYPOXIC STATE A65-80721

CYSTEAMINE PROTECTION OF HAIR LOSS AFTER LOCAL IRRADIATION IN RAT A65-80733

MICROWAVE RADIATION OF RAT AND EFFECT OF PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE A65-80756

REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCCUS MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY NOREPINEPHRINE AND SODIUM SULFITE A65-80827

HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING A65-80834

CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS ORGANS AND PROTEIN METABOLISM DURING PHYSICAL EXERCISE IN RATS A65-80836

DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT SIMULATED ALTITUDE A65-80928

EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION ON CONDITIONED REFLEX IN RATS A65-80929

EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE, ARTERIAL PRESSURE, AND HEART RATE IN COLD ACCLIMATED RAT A65-80934

NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING PERFORMANCE, BODY WEIGHT, MORTALITY, AND ATHEROMATOSIS IN RATS A65-80936

DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING EXERCISE AND HYPOXIA A65-80990

INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT IN CHRONIC ANOXIA A65-80998

HEART RATE OF RAT AS AFFECTED BY WATER INTAKE, PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE A65-80999

INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM BICARBONATE IN RAT AS AFFECTED BY WATER DEPRIVATION AND THERMAL STRESS A65-81000

CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF DIFFERENT AGES EXPOSED TO ACCELERATION STRESS A65-81023

BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED BY HYPOXIA A65-81026

EFFECT OF FASTING IN RAT FOR 26 HOURS ON LIPID METABOLISM OF HEART AND PLASMA A65-81128

HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE RESPIRATORY PATTERN OF VARIOUS METABOLIC SUBSTRATES IN RATS A65-81131

- ELECTRODE SIZE AND TISSUE OXYGEN TENSION MEASUREMENT IN RATS EXPOSED TO AIR OR HIGH PRESSURE OXYGEN A65-81147
- TREATMENT OF OXYGEN TOXICITY IN RATS WITH DIMERCAPROL A65-81150
- SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC PRESSURE A65-81174
- GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA A65-81177
- RESTRAINT AND EFFECT ON FREE FATTY ACID MOBILIZATION IN RATS A65-81183
- EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS A65-81202
- CHANGES IN GASTRIC HISTIDINE DECARBOXYLASE ACTIVITY DURING FASTING AND FEEDING IN RATS A65-81217
- PROTECTION OF LYMPHOCYTES IN THYMUS OF X-IRRADIATED RATS BY CYSTEAMINE A65-81235
- CHANGES IN PERIPHERAL BLOOD OF RATS IRRADIATED IN HYPOTHERMIC STATE A65-81247
- AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND ELEVATED OXYGEN TENSION A65-81362
- ELECTROENCEPHALOGRAPHIC ACTIVITY OF FRONTAL CORTEX, DORSAL HIPPOCAMPUS, AND MESENCEPHALIC RETICULAR FORMATION OF RAT DURING PARADOXICAL AND SLOW WAVE SLEEP A65-81381
- CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON LIPOLYTIC ACTIVITY OF RAT HEART A65-81383
- EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY SIZE IN RATS A65-81429
- SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE IRRADIATION A65-81453
- EXPERIMENTAL HYPOTHERMIA AND BROWN ADIPOSE TISSUE IN RAT RELATED TO HIBERNATION A65-81468
- THERMOGENIC FUNCTION OF BROWN ADIPOSE TISSUE OF RAT EXPOSED TO COLD A65-81471
- HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN SYNTHESIS IN RAT TISSUES A65-81473
- BLOCKAGE IN RATS OF EPINEPHRINE-INDUCED HYPERGLYCEMIA DURING EXPOSURE TO SIMULATED ALTITUDES A65-81474
- PREPYRIFORM ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN RAT DURING EXPOSURE TO HIGH ALTITUDE A65-81495
- HEPATOTOXICITY OF RAT FROM HYDRAZINE AND 1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON TETRACHLORIDE A65-81529
- GAMMA RADIATION EFFECT ON OPERANT WATER-REINFORCEMENT BEHAVIOR IN RAT A65-81547
- ETIOLOGY AND TREATMENT OF EXPERIMENTAL DECOMPRESSION SICKNESS WITH SPECIAL REFERENCE TO BODY LIPIDS IN RATS A65-81585
- SPINAL CORD CONVULSIONS IN DEVELOPING RAT AT HIGH ALTITUDE /12,470 FT., 3,800 M./ A65-81587
- LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT A65-81592
- EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST CELLS AND METACHROMASIA OF RAT SKIN A65-81597
- THYROID SECRETION RATE AND FECAL ELIMINATION IN COLD ACCLIMATED RAT A65-81605
- SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES A65-81622
- BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE, NEGATIVE, AND TRANSVERSE ACCELERATION A65-81667
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN RATS IN LOW PRESSURE CHAMBER A65-81671
- EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING EXPOSURE TO HYPOBARIC PRESSURE A65-81697
- MECHANISM OF ACTION OF MICROWAVES OF SKIN IN ALBINO RATS AND RABBITS A65-81699
- EFFECT OF INCREASE IN RADIAL ACCELERATION STRESS ON FUNCTIONAL AND PHYSIOLOGICAL STATE OF ORGANISM IN ALBINO RATS A65-81700
- DEGREE OF RESPONSE OF VARIOUS PHYSIOLOGICAL SYSTEMS TO VIBRATION STRESS IN ALBINO RATS A65-81701
- PROTECTIVE ROLE OF FOODS AND VITAMINS AGAINST RADIATION EFFECT IN DOGS AND RATS A65-81702
- ELASTIC COMPONENT AND COURSE OF FATIGUE IN DENERVATED MUSCLE OF RAT A65-81709
- BLASTOMOGENIC ACTION OF HIGH ENERGY PROTONS IN RATS A65-81711
- PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL CHOLINE IN RAT A65-81736
- PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS, AND BLOOD OF RAT. A65-81746
- PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF RATS EXPOSED TO X-RAY AND GAMMA RADIATION A65-81767
- ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE FORCE AND SHORT DURATION A65-81837
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES OF ROCKET FLIGHT A65-81848
- EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO MICROWAVE IRRADIATION A65-81866
- EXPERIMENTAL USE OF STERILE HYDROLYSATES OF VARIOUS ORGANS FOR PROTECTION AGAINST ACUTE RADIATION SICKNESS IN RATS A65-81870
- EFFECT OF DIFFERENT DEGREES OF HYPOXIA ON SENSITIVITY TO EPILEPTOGENIC AGENT AND ON MOTOR UNIT FUNCTION OF BRAIN IN RATS A65-81877
- HISTAMINE DIHYDROCHLORIDE AND HISTAMINE DIPHOSPHATE PROTECTIVE EFFECTS ON RAT AGAINST WHOLE BODY IONIZING IRRADIATION A65-81889
- EFFECT OF COMPRESSION ON COMPOSITION AND ABSORPTION OF TISSUE GAS PUCKETS IN RATS A65-81907
- EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES EVOKED BY PHYSICAL EXHAUSTION A65-81923

SUBJECT INDEX

RAT CONTD

- EFFECT OF WHITE NOISE LEARNING EFFICIENCY IN RATS
A65-81940
- HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945
- EFFECT OF LOW FREQUENCY VIBRATION ON DIAMETER OF
ERYTHROCYTES IN RATS
A65-81956
- CHANGES IN ADIPOSE TISSUE IN RATS ACCLIMATED TO
HIGH ALTITUDE
A65-82015
- DEHYDROGENASE ACTIVITY OF TISSUES DURING EXPOSURE
TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN
ALBINO RATS
A65-82027
- CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE
TO IONIZING RADIATION AND HYPOTHERMIA IN RATS
A65-82028
- EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS
A65-82029
- DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS
A65-82048
- ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA
A65-82052
- EVOCKED CORTICAL POTENTIALS IN RELATION TO
PUPILLARY DIAMETER IN RAT
A65-82071
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-
COLLIP DRUM TRAUMA OR HYDROCORTISONE
ADMINISTRATION, IN YOUNG AND OLD RATS
A65-82090
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL
RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS
LEVELS
A65-82161
- DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS
A65-82178
- COMPARATIVE STUDY OF DAMAGE TO HEMOPOIETIC SYSTEM
AND PARTICULATE COMPONENTS OF PERIPHERAL BLOOD BY
HIGH ENERGY PROTONS AND GAMMA RADIATION IN RATS
A65-82179
- RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF
RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED
BY ACCELERATION
A65-82207
- CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT
ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL
NERVOUS SYSTEM IN ALBINO RATS
A65-82243
- EFFECT OF CARBON MONOXIDE BREATHING ON CELLULAR
STRUCTURE AND TISSUES OF LUNGS IN RATS
A65-82272
- EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER
VARIABLE RATIO REINFORCEMENT RESPONSES
NADC-ML-6409
N65-10409
- TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON
IRRADIATION ON RATS
JPRS-27343
N65-10653
- TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST
ON WHITE RATS
N65-11460
- RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN
RATS
FTD-TT-64-202/162
N65-12171
- WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO
RADIAL ACCELERATION
N65-13670
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING
PROCESSES IN BRAIN TISSUES OF RATS
N65-13730
- EFFECT OF SYSTEMATIC TRAINING ON TOLERANCE OF
WHITE RATS TO PROLONGED HYPODYNAMIA AND
ISOLATION
N65-13775
- RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS,
ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS,
BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES,
SYNTHESIS OF TRACERS, AND INSTRUMENTATION
ACRH-22
N65-15627
- RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL
ACCELERATION STRESS
N65-16629
- RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION
SICKNESS
N65-17810
- OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND
SPINAL CORD IN HYPOXIA ACCLIMATED RATS
N65-17813
- HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL
EPILEPTIC SEIZURES IN DOGS AND RATS
N65-17841
- TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND
EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112
N65-17909
- CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING
EXPERIMENTATION WITH RATS
N65-18597
- INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS
AAL-TDR-63-39
N65-18971
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND
HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30
N65-18972
- EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13
N65-18974
- EFFECTS OF INCREASING PRESSURE OF VARYING
DURATION ON RATS
ISL-2/64
N65-19833
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF
HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER
REGENERATION, BONE MARROW TRANSPLANTATION IN
RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250
N65-20139
- DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING
LIVER DURING ACUTE RADIATION SICKNESS IN RATS
N65-20142
- LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788
N65-21477
- ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298
N65-22131
- EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS
UR-661
N65-22992
- PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON
RATS EXPOSED TO WARM AND COLD CONDITIONS
AAL-TDR-64-15
N65-24593
- DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES
CDO-1170-3
N65-24619
- EFFECT OF DIMERCAPTOPROSPANOL ON TOXICITY OF OXYGEN
ON RATS AT SIX ATMOSPHERES PRESSURE

RATE

SUBJECT INDEX

SAM-TR-65-11 N65-25203
EFFECT OF DIET ON RAT EXCRETION OF TRITIUM
RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF
TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE
AAL-TR-64-29 N65-25344
RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN
AND BONE MARROW AFTER TOTAL BODY IRRADIATION -
VITRO ASSAY SYSTEM N65-26240
SAM-TR-65-14
STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241
BLOOD CIRCULATION IN MICE AND RATS TRACED FOR
DETERMINING INFLUENCE OF ANTIRADIATION DRUGS
ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN
IN ORGANS N65-26390
PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON
MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY
CONCENTRATION OF CARBON MONOXIDE IN AIR N65-28295
EFFECT OF IONIZING RADIATION ON IMMUNITY IN RATS
N65-28299
EFFECTS OF DISCONTINUOUS EXPOSURE TO HIGH OXYGEN
LOW PRESSURE ENVIRONMENT ON RATS - AEROSPACE
MEDICINE N65-28346
NASA-CR-63790
EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC
ORGANS OF WHITE RATS N65-28357
JPRS-31047
EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES
ON MORPHOLOGY OF WHITE RAT TESTES N65-28703
SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY
MICROWAVE RADIATION N65-28707
COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER N65-31039
ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS N65-31081
AMRL-TR-65-48
NICOTINAMIDE EFFECT ON X-RAY IRRADIATED
SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E N65-32144
GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS N65-34281
NSL-65-23-1
CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF
SENSITIVITY TO ROTATION IN WHITE RATS N65-35110
NASA-CR-67253
DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153
ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX
FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317
RATE
S HEART RATE
S MASS FLOW RATE
S RESPIRATORY RATE
S STRAIN RATE
S VELOCITY
RATIO
S SIGNAL TO NOISE RATIO
RAY
S COSMIC RAY
S RADIATION
S X-RAY

RBE
S RELATIVE BIOLOGICAL EFFECTIVENESS /RBE/
REACTION
S CHEMICAL REACTION
S HUMAN REACTION
S KINETICS
S SURFACE REACTION
REACTION TIME
SA PERCEPTUAL SPEED
SA PSYCHOMOTOR PERFORMANCE
SA REFRACTORY PERIOD
EVOKED RESPONSES IN RELATION TO OCULOMOTOR
REACTION TIMES AND VISUAL PERCEPTION IN MAN
A65-16466
HUMAN EFFICIENCIES COMPARISON IN USE OF VERBAL
AND MOTOR REACTIONS TO VARIOUS CODED SIGNALS
A65-18333
SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH
DATA, ORIENTATION, COMMUNICATION, AND ROLE OF
MOTIVATION IN PROLONGED SLEEP DEPRIVATION
A65-80020
INHIBITION OF SIMPLE VISUAL REACTION TIME BY
SECOND STIMULUS - FAILURE TO REPLICATE RESULT
A65-80026
PROACTIVE DECREMENTAL EFFECTS ON RESPONSE SPEED IN
CONTINUOUS DISJUNCTIVE REACTION TIME TASK
A65-80027
SHORT TERM MEMORY AND REACTION TIME - KEEPING
TRACK OF SEVERAL VARIABLES A65-80054
MUSCULAR TENSION, TASK RESISTANCE, AND SPEED OF
RESPONSE A65-80060
DOUBLE STIMULATION EFFECT - TEMPORARY INHIBITION
OF RESPONSE WITH RESPECT TO REACTION TIME,
DICHOTIC LISTENING, AND STEREOSCOPIC PERCEPTION
STUDIES A65-80098
NEW PHENOTHIAZINE TRANQUILIZER, FLUPHENAZINE -
EFFECTS ON REACTION TIME AND TOTAL RESPONSE
TIME A65-80118
COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE A65-80159
EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY
OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL
STIMULATION A65-80191
AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR
LEARNING A65-80262
SOMAESTHETIC AND ACOUSTIC STIMULI EFFECT ON
THRESHOLD OF FUSION OF PAIRED LIGHT FLASHES IN
HUMAN SUBJECTS A65-80335
CHOICE REACTION TIME IN TASK INVOLVING DECISION ON
COMBINATION OF VISUAL INFORMATION FROM TWO
DIFFERENT SOURCES A65-80338
SELECTIVE STRATEGIES IN ASSIMILATION
OF SUCCESSIVELY PRESENTED SIGNALS A65-80339
LIFT REACTION TIME AND TOPOGRAPHIC COMPATIBILITY
OF THE STIMULUS-RESPONSE FIELD A65-80518
REACTION TIME FOR TASKS INVOLVING ARM AND LEG
MOVEMENTS A65-80522
REACTION TIME AND SPEED OF MOVEMENT OF SUPPORTED
LIMB AS AFFECTED BY MUSCULAR STRETCH, TENSION, AND
RELAXATION A65-80524
PRE-TENSED AND FREE-ARM SPEED AS AFFECTED BY
STRENGTH TRAINING A65-80525
REACTION TIME OF FINGER AS FUNCTION OF RESPONSE
ALTERNATIVES IN TWO-CHOICE REACTION TIME TASK
A65-80615

SUBJECT INDEX

RECEPTOR

LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET,
MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM
A65-80631

ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES
TO LIGHT FLASH
A65-80643

VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA
CYCLE AND CARDIAC AROUSAL CYCLE
A65-80644

EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION
AND OCULOMOTOR REACTION TIMES IN MAN
A65-80645

REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED
BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE
A65-80731

RELATION OF AGE TO VIGILANCE AND REACTION TIME
A65-80738

OCULOMOTOR RESPONSE TO SMALL TARGET REPLACEMENTS
A65-80806

REACTION TIME TO SECOND OF TWO STIMULI AS FUNCTION
OF INTERSTIMULUS INTERVAL
A65-80851

INDIVIDUAL HUMAN PATTERNS OF REACTION TIME
RESPONSES
A65-80862

CHOICE REACTIONS TO TACTUAL STIMULATION WITH
COMPATIBLE AND INCOMPATIBLE INSTRUCTIONS
A65-80863

SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME
ESTIMATION, MEMORY, AND REACTION TIME
A65-80951

ELECTROENCEPHALOGRAPH CHANGES AND AUDITORY AND
VISUAL REACTION TIMES AFTER LIVING IN DESERT
A65-80965

REACTION TIME AS FUNCTION OF ONSET AND OFFSET
STIMULATION OF RETINAL FOVEA AND PERIPHERY
A65-81009

REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE
DURATION AND TASK COMPLEXITY
A65-81042

SERIAL CHOICE REACTION-TIME AS FUNCTION OF
RESPONSE VERSUS SIGNAL-AND-RESPONSE REPETITION
A65-81100

REACTION TIME DECREASE WITH KNOWLEDGE OF RESULTS
A65-81106

AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL
RESPONSE AND VOLUNTARY RESPONSES
A65-81121

CHOICE REACTION TIMES AND THRESHOLDS OF VISUAL
PATTERNS AS FUNCTION OF EXPOSURE DURATION
A65-81169

PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN
A65-81248

OBJECTIVE MEASURE OF MENTAL OVERLOADING- NEW
APPLICATIONS OF DOUBLE-TASK METHOD WITH REACTION
TIME AND PSYCHOMOTOR PERFORMANCE
A65-81324

PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN
INTENSITY OF WHITE NOISE RELATED TO SIGNAL
DETECTION
A65-81343

LATENCY MODELS FOR REACTION TIME DISTRIBUTIONS
A65-81480

ELECTROMYOGRAPHIC AND MICROSWITCH MEASURES OF
AUDITORY REACTION TIME COMPARED
A65-81561

INFLUENCES OF RESPIRATORY CYCLE ON SIMPLE REACTION
TIME
A65-81574

RESPONSE LATENCY IN VIGILANCE TASK WITH CONSTANT

AND VARIABLE INTERVAL SCHEDULES
A65-81643

RESPONSE LATENCY IN SIMPLE VIGILANCE TASK AS
FUNCTION OF TEMPORAL PATTERN OF STIMULATION
A65-81855

STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND
REACTION TIME IN DETERMINING AUDITORY NEURAL
LESIONS
A65-82270

RESPONSE TIME TO SECOND OF TWO SUCCESSIVE SIGNALS
AS FUNCTION OF ABSOLUTE AND RELATIVE DURATION OF
INTER SIGNAL INTERVAL
A65-82328

INDIVIDUAL DIFFERENCES IN MAXIMAL SPEED OF
MUSCULAR CONTRACTION AND REACTION TIME
A65-82331

NORMAL DISTRIBUTION OF HUMAN REACTION TIMES TO
VISUAL STIMULUS
A65-82337

RELATION OF REACTION TIME TO INFORMATION
TRANSMISSION WITH UNEQUALLY LIKELY ALTERNATIVES
A65-82340

STORAGE OF TIME INFORMATION IN STUDY OF REACTION
TIME TO PERIODIC STIMULI IMPAIRED BY SIMULTANEOUS
PERFORMANCE OF SECOND TASK
A65-82341

REACTION TIME OF PREADOLESCENT CHIMPANZEE
ARL-TR-64-10
N65-10466

INTERACTION OF VERBAL SIGNAL WITH DIRECT SIGNAL
ANALYZED FOR SIMPLE AND COMPLICATED REACTIONS
AND RELATED TO REACTION TIME IN HUMAN BEHAVIOR
JPRS-27879
N65-12770

OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION
DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME
OF HUMAN PERFORMANCE
NASA-CR-170
N65-17326

ATTENTION THEORY AND PARAMETER MEASUREMENTS OF
HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS
SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY
INFLUENCE ON REACTION TIME
NASA-CR-194
N65-23170

REACTOR
HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S7-R-64
N65-25154

REACTOR SAFETY
GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES
POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE
STUDIED IN MINIATURE SWINE
A65-16556

ANALYSIS OF EXTERNAL RADIATION EXPOSURE -
DOSIMETRY AND NUCLEAR REACTOR SAFETY
AECL-2239
N65-27447

REAL TIME
DETERMINISTIC CHARACTERIZATION THEORY FOR
DETERMINING TIME-VARYING DYNAMICS OF HUMAN
OPERATOR ENGAGED IN TRACKING TASKS
A65-22033

RECEPTOR
SA BARORECEPTOR
SA CHEMORECEPTOR
SA PHOTORECEPTOR
SA THERMORECEPTOR

MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT
SKIN
A65-81278

CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81931

PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY
BLOOD FLOW
APRL-TR-64-94
N65-19148

RECOGNITION

RECOGNITION

SA MACHINE RECOGNITION
SA PATTERN RECOGNITION
SA TARGET RECOGNITION

CAPACITY OF RECOGNIZING MASKED FIGURES AFTER
SENSORY-MOTOR DEPRIVATION A65-82193

VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004 N65-17144

RECOGNITION VALUES UNDER VARYING LEVELS OF IMAGE
DEGRADATION
ESD-TDR-64-666 N65-18963

PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR
INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF
COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL
ASPECTS OF IMAGERY AND CONTENT
RADG-TDR-64-326 N65-23083

LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344 N65-25675

RECONNAISSANCE AIRCRAFT

PROBABILITY OF VISUAL DETECTION OF RECONNAISSANCE
AIRCRAFT BY GROUND OBSERVERS
RM-4562-PR N65-35947

RECONNAISSANCE SPACECRAFT

MANNED SPACECRAFT FOR SURVEILLANCE AND
RECONNAISSANCE USING UNAIDED VISION AND
MAN-PERISCOPE VISION A65-35489

RECORDING INSTRUMENT

SA ELECTRONIC RECORDING INSTRUMENT
SA PULSE RECORDER

SIMULTANEOUS CARDIOSCOPIIC SCAN AND
VECTORCARDIOGRAPHIC RECORDING IN MAN
A65-80604

TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART
RATE AND RESPIRATORY MOVEMENTS A65-80714

DELAYED FEEDBACK SELF-TRACKING AND RECORDING
INSTRUMENT A65-80740

ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW
ARTIFICIAL EAR WITH NEW RECORDING DEVICE
A65-80743

DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED
RESPIRATION IN INTACT ANIMALS A65-80765

NEW PORTABLE ELECTRIC DEVICE FOR REGISTERING TOTAL
TIME OF INDIVIDUAL EXPOSURE TO SELECTED LEVEL OF
NOISE A65-80994

PHOTOELECTRONYSTAGMOGRAPHY AND PHOTOELECTRO-
OCULOGRAPHY A65-81049

THREE-DIMENSIONAL RECORDING OF ROTATIONAL EYE
MOVEMENTS BY NEW CONTACT-LENS TECHNIQUE
A65-81050

COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL
ANIMALS AND IN MAN A65-81052

INDIRECT BLOOD PRESSURE MONITORING
A65-81053

MEASURING MOVEMENTS OF RETINAL IMAGE WITH RESPECT
TO RETINA A65-81058

MEASUREMENT OF EYE MOVEMENT USING MAGNETIC
INDUCTION IN CONTACT LENS COIL A65-81061

VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE A65-81064

INSTRUMENT FOR CONTINUOUS REGISTRATION OF PULSE IN
WORK STUDIES A65-81189

TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART

SUBJECT INDEX

FUNCTIONS AND RESPIRATION A65-81208

NEW METHOD OF RECORDING EYE MOVEMENT -
PHOTONYSTAGMOGRAM A65-81242

ACCELERATION REGISTOGRAPHY - A NEW METHOD OF
EXAMINATIONS CONCERNED WITH THE LABYRINTHINE
RIGHTING REFLEX A65-81347

APPARATUS FOR LUMINANCE-THRESHOLD DETERMINATION IN
ANIMALS A65-81418

AUTOMATIC DETERMINATION AND RECORDING OF PULSE
RATE AND RESPIRATION A65-81510

SIMULTANEOUS EVALUATION OF QUANTITATIVE WAVE
PATTERNS AND MEAN AMPLITUDE OF BRAIN POTENTIAL BY
COMBINED DATA A65-81881

AUDIOMETRIC ASPECTS AND MULTISENSORY
POWER-FUNCTIONS OF ELECTRONICALLY AVERAGED SLOW
EVOKED CORTICAL RESPONSES IN MAN A65-82136

RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING A65-82220

RELIABILITY OF HIGH-FREQUENCY THRESHOLD
MEASUREMENT A65-82296

NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN
AND RAT A65-82327

GALVANIC SKIN RESPONSE RECORDING APPARATUS
AD-610222 N65-18684

BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK
BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR
RECORDING BIOLOGICAL DATA DURING MOVEMENT AND
ACTIVITY
FTD-MT-64-416 N65-22425

BLOOD FLOW TIME DETERMINATION BY OXYHEMOGRAM
RECORDING ON OSCILLOGRAPH
JPRS-31093 N65-28878

GRAPHIC RECORDING OF SECRETORY AND EXCRETORY
PROCESSES USING PIEZOELECTRIC CRYSTAL RECORDING
ELEMENT
JPRS-31269 N65-29182

CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23 N65-34134

CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS
ON OSCILLOGRAPH
NASA-TT-F-9581 N65-35782

RECOVERY

SA VISUAL DISCRIMINATION RECOVERY
SA WATER RECOVERY

PROBLEMS IN ESTIMATING RECOVERY FROM RADIATION
INJURY IN MAMMAL A65-80163

RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE
OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES
A65-80164

RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171

UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN A65-81730

RECOVERY OF TRACE ORGANIC CONTAMINANTS IN
SEALAB I ATMOSPHERE, SEPARATION WITH GAS
CHROMATOGRAPH, AND IDENTIFICATION
N65-31484

RED BLOOD CELL
S ERYTHROCYTE

SUBJECT INDEX

REFUELING

- REDUNDANCY ENCODING
BIOMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE
FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION,
NOTING EKG AND EEG APPLICATION
A65-24203
- REENTRY
SA ATMOSPHERIC ENTRY
REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR
ROCKET REACTOR
N65-10875
- REENTRY BODY
LOCATION AND RETRIEVAL CONCEPTS FOR REENTRY CREW
ESCAPE SYSTEMS
N65-29759
- REENTRY VEHICLE
OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND
CONTROLLED REENTRY VEHICLES
NASA-CR-331
N65-36773
- REFERENCE SYSTEM
INTERNATIONAL STANDARD REFERENCE ZERO FOR
PURE-TONE AUDIOMETRY
A65-81484
DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- REFLEX
SA CAROTID SINUS REFLEX
SA CONDITIONED RESPONSE
SA RESPIRATORY REFLEX
STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION
AGAINST NOISE INJURY AND IN UNDERSTANDING OF
SPEECH
A65-80010
MIDDLE EAR MUSCLE REFLEXES ELICITED BY ACOUSTIC
AND NONACOUSTIC STIMULATION
A65-80036
VESTIBULAR FUNCTION - INTERACTION OF SEMICIRCULAR
CANAL AND OTOLITH ORGAN FUNCTIONS
A65-80040
CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT
ON REFLEX VASODILATATION IN HAND
A65-80189
REFLEX CIRCULATORY AND RESPIRATORY RESPONSES TO
HYPOXIA - A REVIEW
A65-80356
TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX
A65-80888
EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION
ON CONDITIONED REFLEX IN RATS
A65-80929
AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP
A65-80945
AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES
A65-80946
INVESTIGATION OF UNCONDITIONED VASCULAR REFLEXES
UPON THERMAL STIMULATION OF SMALL SKIN AREAS
A65-81304
ACCELERATION REGISTOGRAPHY - A NEW METHOD OF
EXAMINATIONS CONCERNED WITH THE LABYRINTHINE
RIGHTING REFLEX
A65-81347
CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND
ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC
NERVES
A65-81847
SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL
INHIBITORY REFLEX IN CATS
A65-82065
STAPEDIUS REFLEX TO TONE STIMULI OF MEDIUM
LOUDNESS IN ALERT RABBIT
A65-82142
BLINKING REFLEX AS INDICATOR OF DEGREE OF SKILL
ATTAINED IN PRACTICE OF VISUAL-MOTOR TASK
A65-82174
PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS
- ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO
IMPULSE NOISE
A65-82297
ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE
NOISE
A65-82311
INTRA-AURAL REFLEX OF MIDDLE EAR TO
AUDIOFREQUENCY SOUND WITH DEFINED AMPLITUDE
GGC/EE/64-15
N65-12491
ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY
REPT.-1159
N65-13172
USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE
N65-13678
PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING
MIXTURES, HIGH CARBON DIOXIDE BREATHING
MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL
TRACK, AND ACCELERATION EFFECT ON REFLEXES
N65-13708
COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE
TO HEAD TILT AND BODY ROTATION
GE/EE/64-8
N65-14436
NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING
ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION
EFFECTS ON HUMAN EEG
FTD-TT-64-267/1E2
N65-14470
CONDITIONED REFLEX AND MODERN NEUROPHYSIOLOGY
NASA-TT-F-306
N65-14946
REFLEX MECHANISM OF PERIODIC RESPIRATION IN
HYPOXIA
N65-17778
HIGH MOUNTAIN FACTORS ON REFLEX RELATIONSHIPS
BETWEEN RENAL AND SALIVARY FUNCTION
N65-17822
PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY
BLOOD FLOW
AMRL-TR-64-94
N65-19148
AUTOMATED LABORATORY APPARATUS FOR STUDY OF
ANIMAL CONDITIONED REFLEX
JPRS-30962
N65-28133
ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION,
COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY
AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY
N65-28706
REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER
VARIOUS PHYSIOLOGICAL CONDITIONS
N65-29032
EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE
OF SPINAL REFLEX ARC
N65-31383
EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE
REFLEX IN GUINEA PIG
N65-31384
COMBINED EFFECTS OF VIBRATION AND RADIATION ON
FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX
ARC
N65-31385
- REFRACTION
HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153
N65-11305
- REFRACTORY PERIOD
PSYCHOLOGICAL REFRACTORY PERIOD IN BISENSORY
TRACKING TASK
A65-82288
RESPONSE TIME TO SECOND OF TWO SUCCESSIVE SIGNALS
AS FUNCTION OF ABSOLUTE AND RELATIVE DURATION OF
INTER SIGNAL INTERVAL
A65-82328
- REFUELING
PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS
OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING
N65-13717

REGENERATION

SA BIOREGENERATION

MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE
REGENERATION IN MOUSE A65-80421

REGENERATION OF BONE MARROW AFTER IRRADIATION BY
600 MEV PROTONS AND X-RAY IN ALBINO MICE A65-81627

LIVER REGENERATION DETERMINATION IN WHITE MICE
AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/16264 N65-10285

PHOTOSYNTHESIS AS REGENERATION SYSTEM FOR SPACE
FLIGHT N65-18591

REPARATIVE REGENERATION OF VARIOUS TISSUES OF
ANIMALS UNDER EFFECT OF IONIZING RADIATION
JPRS-29904 N65-23052

BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION
IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION
PROCESSES QTR-3 N65-25572

BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS
ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA
IN DOGS SUBJECTED TO HEMORRHAGING JPRS-31781 N65-35017

REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117

REGENERATIVE CYCLE

TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR
PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER
RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON
DIOXIDE AND TRACE CONTAMINANT REMOVAL
AIAA PAPER 65-501 A65-29441

REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM
DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM
FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM
A65-34478

REGION

S POLAR REGION

REGRESSION ANALYSIS

SA BIOMETRICS
SA VARIANCE

REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
AD-609676 N65-29152

REGULATION

THERMOSTAT OF ORGANISM AND ITS SETTING IN RABBIT
A65-80912

CHEMICAL AND MECHANICAL ASPECTS OF REGULATION OF
RESPIRATION A65-82019

REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS NASA-CR-64641 N65-33251

NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND
RELATIONSHIP BETWEEN NERVOUS AND HUMORAL
PROCESSES - INJECTIONS OF SEROTONIN AND
HISTAMINE JPRS-31968 N65-33429

IONIZING RADIATION SOURCE HANDLING REGULATIONS IN
YUGOSLAVIA JPRS-31993 N65-34102

REINFORCEMENT

MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER
VARIABLE RATIO REINFORCEMENT RESPONSES
NADC-ML-6409 N65-10409

RELATIVE BIOLOGICAL EFFECTIVENESS /RBE/

BIOPHYSICS OF RELATIVE BIOLOGICAL EFFECTIVENESS OF
VARIOUS TYPES OF RADIATION A65-80841

BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON
SEEDS OF BARLEY AND LILIUM REGALE

A65-80843

BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157 N65-14606

RELATIVE BIOLOGICAL EFFECTIVENESS OF FAST NEUTRONS
FOR STUDYING IRRADIATION DAMAGE OF CELLS N65-26381

BIOLOGICAL EFFECT OF PROTONS - EFFECT OF
RADIATION PROTECTIVE SUBSTANCES ON AFTERGLOW OF
IRRADIATED SOLUTIONS OF SERUM ALBUMIN - MUSCULAR
SYSTEM EXCITATION DISTRIBUTION JPRS-31547 N65-31038

COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER N65-31039

RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60
GAMMA RADIATION AND X-RAYS ON CARTILAGE OF
YOUNG RABBIT LARYNX ANL-TRANS-121 N65-32833

RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND
ALPHA PARTICLES - RADIATION DOSE CALCULATIONS
N65-34632

CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND
ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL
EFFECTIVENESS IN YEAST NASA-CR-67239 N65-35107

RELIABILITY

SA AIRCRAFT RELIABILITY
SA COMPONENT RELIABILITY
SA QUALITY CONTROL
SA SPACECRAFT RELIABILITY
SA SYSTEM FAILURE

RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT
CONTROL SYSTEM A65-29944

PILOT RELIABILITY AND SKILL RETENTION FOR SPACE
FLIGHT MISSIONS A65-81305

RELIABILITY OF HIGH-FREQUENCY THRESHOLD
MEASUREMENT A65-82296

QUANTITATIVE EVALUATION OF OPERATOR RELIABILITY IN
MAN-MACHINE SYSTEM N65-13697

RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-23007

HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714

INCREASING RELIABILITY OF MACHINE PERCEPTION OF
VOCAL SOUNDS BY INTRODUCING REPEATED DEMAND
FTD-TT-65-104/162 N65-30149

SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724

REMOTE CONTROL

UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY
CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION
SYSTEMS SAE PAPER 650811 A65-34697

PERFORMANCE TIMES ON SIMPLE REMOTE HANDLING TASK
UNDER DIRECT BINOCULAR AND MONOCULAR VIEWING
CONDITIONS AMRL-TDR-64-68 N65-13993

PATH OPTIMIZATION FOR NUMERICALLY CONTROLLED
REMOTE MANIPULATOR - MAN-MACHINE SYSTEM
NASA-CR-62878 N65-25002

MOBILE REMOTE HANDLING UNIT POSITIONED UNDER
AUGMENTED TELEVISION CONDITIONS - HUMAN
ENGINEERING FOR REMOTE HANDLING SYSTEMS

SUBJECT INDEX

RESISTANCE

- AMRL-TR-65-6 N65-27091
REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517
- RENAL FUNCTION
SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL HEMODYNAMICS A65-80175
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE A65-80352
OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG KIDNEY A65-80362
RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE, METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE A65-81733
RENAL FUNCTION IN HIGH-ALTITUDE NATIVES AND IN NATIVES WITH CHRONIC MOUNTAIN SICKNESS A65-81918
CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID, CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT DIFFERENT LOADS A65-82165
DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE TO CARBON TETRACHLORIDE POISONING A65-82303
HIGH MOUNTAIN FACTORS ON REFLEX RELATIONSHIPS BETWEEN RENAL AND SALIVARY FUNCTION N65-17822
PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS NASA-TT-F-9340 N65-22622
VIBRATION EFFECTS ON CENTRAL NERVOUS SYSTEM AND FUNCTION OF CORTEX OF SUPRARENAL GLAND IN PATIENTS SUFFERING VIBRATION SICKNESS
FTD-TT-64-962/1 N65-22642
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS IN MALE MINERS WITH SECOND AND THIRD STAGE VIBRATION SICKNESS N65-22644
MATHEMATICAL MODEL USED TO EXAMINE PHYSICO-CHEMICAL HYPOTHESES THAT EXPLAIN WAYS IN WHICH HUMAN BODY CONTROLS FLUID AND ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR N65-31199
- RENDEZVOUS TRAJECTORY
COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE SPACE RENDEZVOUS MANEUVERS, USING DIRECT VISUAL CUES
AMRL-TR-65-10 N65-35632
- REPAIR
ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS - IDENTIFICATION FOR DEVELOPMENT AND EVALUATION OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618
- REPRODUCTION
WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON REPRODUCTION IN DROSOPHILA MELANOGASTER AND HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA A65-30691
INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY - REPRODUCTIVE CYCLES, BREEDING AND REARING IN CAPTIVITY
NASA-CR-62556 N65-23002
IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN KIDNEY CELLS N65-23464
- REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847
X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE CAPACITY, AND LONGEVITY OF BEAGLE DOGS
UCD-472-111 N65-34324
- REPRODUCTIVE SYSTEM
SA UTERUS
PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383
REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE A65-80755
EFFECT OF ENVIRONMENTAL ILLUMINATION ON ESTROUS CYCLES OF RODENTS A65-81867
EVALUATING P H CHANGES IN UTERUS OF FEMALE REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711
- RESEARCH
S OPERATIONS RESEARCH
- RESEARCH AIRCRAFT
SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION
NASA-TM-X-127 N65-20135
- RESEARCH FACILITY
RESEARCH AND FACILITIES AT AEROSPACE MEDICAL CENTER OF ROME, ITALY A65-81836
SPACE CABIN ATMOSPHERE TOXICOLOGY - A NEW RESEARCH FACILITY A65-82091
BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL
NASA-CR-62606 N65-23283
- RESEARCH PROJECT
BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL
NASA-CR-62606 N65-23283
- RESEARCH VEHICLE
AEROSPACE MEDICAL AND BIOENGINEERING CONSIDERATIONS IN M-2 LIFTING BODY RESEARCH VEHICLE, DISCUSSING PROTECTIVE EQUIPMENT, ESCAPE AND MEDICAL MONITORING SYSTEMS A65-14229
- RESERPINE
EFFECT OF LARGE DOSE OF RESERPINE GIVEN INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372
EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE, ARTERIAL PRESSURE, AND HEART RATE IN COLD ACCLIMATED RAT A65-80934
CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE A65-82148
- RESIN
SA PLASTIC
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID RESINS CHROMATOGRAPHY N65-22299
- RESISTANCE
SA ELECTRIC RESISTANCE
SA SKIN RESISTANCE
UPPER AIRWAY RESISTANCE IN NORMAL MAN DURING MOUTH BREATHING A65-81539
PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598

RESOLUTION

INCREASING RESISTANCE FOR PROTECTION AGAINST
PHYSIOLOGICAL HAZARDS IN FLIGHT N65-13646

USE OF DRUGS TO INCREASE BODILY RESISTANCE TO
FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654

RESPONSE OF ANIMALS AND METHODS TO INCREASE
RESISTANCE TO FLIGHT CONDITIONS N65-13767

SIGNIFICANCE OF PARASYMPATHETIC NERVOUS SYSTEM
TONE FOR INCREASING RESISTANCE TO FLIGHT
CONDITIONS N65-13774

RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION
SICKNESS N65-17810

RESOLUTION

EFFECT OF VERTICAL SYMBOL RESOLUTION ON SPEED OF
IDENTIFICATION OF TELEVISION LETTERS AND NUMBERS
RADC-TR-65-239 N65-34571

RESONANCE

MICROVIBRATION OF HUMAN BODY EXPLAINED BY
RESONANCE THEORY A65-80200

RESONANCE FREQUENCIES OF THE HUMAN SKULL -
AUDIOMETRIC EFFECTS AND PROTECTION A65-82143

EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE N65-32652

RESPIRATION

SA APNEA
SA ARTIFICIAL RESPIRATION
SA ASPHYXIA
SA INHALATION
SA LIQUID BREATHING
SA OXYGEN METABOLISM
SA PRESSURE BREATHING
SA RESUSCITATION
SA TUBERCULOSIS

MATHEMATICAL SIMULATION OF CARBON DIOXIDE PARTIAL
PRESSURES IN HUMAN LUNG, VENOUS BLOOD AND
REBREATHING BAG A65-14157

RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF
RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING
INSPIRATION AND EXPIRATION A65-80012

TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT
A65-80109

RESPIRATORY PHYSIOLOGY - ALVEOLAR GAS EXCHANGE
A65-80185

DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF
BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN
WASHOUT METHOD A65-80306

SWEAT SUPPRESSION OF FOREHEAD BY FORCED
BREATHING IN MAN - EFFECT OF CARBON
DIOXIDE TENSION A65-80314

RESPIRATORY MECHANICS AND DIAPHRAGM
ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF
RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE
TO INSPIRATION A65-80315

AEROBIC WORK CAPACITY DURING EXERCISE
A65-80358

INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT
BRAIN A65-80360

MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE
AS RELATED TO TISSUE TYPE AND AGE AND FIELD
STRENGTH AND TEMPERATURE A65-80426

RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY
VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY
WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS
A65-80666

SUBJECT INDEX

SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW A65-80674

UNDERWATER SWIMMING AND EFFECT ON RESPIRATION
DURING BREATHHOLDING A65-80745

VENTILATORY RESPONSE TO HYPOXIC CHEMOCEPTOR
STIMULATION OF CAT AS AFFECTED BY CENTRAL AND
PERIPHERAL CARBON DIOXIDE TENSION A65-80786

KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884

SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897

EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT A65-80934

RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT
TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT
NERVES A65-81024

DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS
FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051

PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND
RESPIRATORY DATA A65-81056

EXTERNAL ELASTIC AND THRESHOLD LOADING ON
BREATHING IN MAN A65-81146

HYPOXIC DRIVE IN NORMAL INDIVIDUALS AND PATIENTS
WITH CHRONIC HYPOXEMIA A65-81188

TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART
FUNCTIONS AND RESPIRATION A65-81208

RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD
PRESSURE, ELECTROCARDIOGRAM, AND
ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE
MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS
A65-81283

HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN
SYNTHESIS IN RAT TISSUES A65-81473

MIXED VENOUS CARBON DIOXIDE TENSION DETERMINED BY
CARBON DIOXIDE REBREATHING METHOD - INFLUENCE OF
REBREATHING TIME A65-81508

AUTOMATIC DETERMINATION AND RECORDING OF PULSE
RATE AND RESPIRATION A65-81510

UPPER AIRWAY RESISTANCE IN NORMAL MAN DURING MOUTH
BREATHING A65-81539

INFLUENCES OF RESPIRATORY CYCLE ON SIMPLE REACTION
TIME A65-81574

PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN A65-81625

PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONUM AND ALYNAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS A65-81673

HIBERNATION IN HEDGEHOG, ERINACEUS
EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO
GRADUALLY DECREASING OR INCREASING AMBIENT
TEMPERATURE A65-81765

VENTILATORY RESPONSE TO CARBON DIOXIDE DURING
HYPOXIA IN DOGS A65-81895

STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER
A65-81899

SUBJECT INDEX

RESPIRATORY DISEASE

CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY TO CARBON DIOXIDE IN MAN A65-81903

RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS LACTATE IN MAN WITH PHYSICAL EXERCISE A65-81904

RESPIRATION AND CEREBROSPINAL FLUID PH IN METABOLIC ACIDOSIS AND ALKALOSIS IN MAN A65-81905

HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE, AIR VELOCITY, AND EXERCISE A65-81914

RELATIONSHIP BETWEEN CHANGES IN ELECTRIC POTENTIAL OF FOREARM MUSCLES AND ACRAL VASOMOTOR REACTION EVOKED BY DEEP INSPIRATION A65-81993

OXYGEN BREATHING AND RESPIRATION DURING HYPOTHERMIA A65-82002

BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES AS AFFECTED BY BREATHING IONIZED AIR A65-82018

CHEMICAL AND MECHANICAL ASPECTS OF REGULATION OF RESPIRATION A65-82019

MECHANICAL PROPERTIES OF LUNGS AND THORAX AND CHEMICAL CONTROL OF RESPIRATION A65-82020

OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS A65-82070

CHANGES IN PULMONARY DIFFUSION CAPACITY AND PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE PRESSURE BREATHING IN MAN A65-82099

PULMONARY COMPLIANCE AND NONELASTIC RESISTANCE OF HUMAN SUBJECT DURING TREADMILL EXERCISE A65-82151

ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE POSITION DURING EXPOSURE TO FORWARD ACCELERATION A65-82153

INTRAPULMONARY PRESSURE OF BREATHHOLDING SUBJECTS LYING AND SITTING IN AIR AND WATER A65-82158

DISTRIBUTION OF INSPIRED AIR DURING VENTILATION WITHOUT RESPIRATORY MOVEMENTS A65-82169

HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL EXERCISE A65-82302

EFFECT OF HIGH INTENSITY MAGNETIC FIELDS ON RESPIRATION AND PHOTOSYNTHESIS IN ALGAE NRL-6153 N65-10497

RESPIRATORY AND MICROCLIMATE TEMPERATURES IN HEAD PROTECTOR IN EXTREME COLD AMRL-TDR-64-79 N65-11896

EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION AND BREATHING OXYGEN AT EXCESS PRESSURE N65-13638

RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST N65-13647

OXYGEN SUPPLY OF HEART DURING RESPIRATION AT EXCESS PRESSURE N65-13656

HEMODYNAMIC RESPONSES AND RESPIRATION DURING ACCELERATIONS N65-13659

WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO RADIAL ACCELERATION N65-13670

EFFICIENCY OF OXYGEN SUPPLY SYSTEM, IN CONTROLLING RESPIRATION AT EXCESS PRESSURE N65-13680

EFFECTS OF RESPIRATION WITH HIGH PRESSURE IN

LUNGS ON BLOOD FLOW RATE N65-13686

CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723

OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA N65-17769

SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN MECHANISM OF RESPIRATION AND BLOOD CIRCULATION IN HYPOXIA N65-17776

REFLEX MECHANISM OF PERIODIC RESPIRATION IN HYPOXIA N65-17778

ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE COMPENSATION FOR HYPOXIA IN MAN N65-17781

BASAL METABOLISM AND EXTERNAL RESPIRATION IN CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM CONGENITAL HEART DEFECTS N65-17794

CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA PATIENTS N65-17801

OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION IN RESPIRATION UNDER EXCESS PRESSURE N65-17808

CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND RESPIRATION WITH NORMAL AND DEPRESSED THYROID GLAND FUNCTIONING IN MOUNTAIN CONDITIONS N65-17825

CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER MOUNTAIN ENVIRONMENT CONDITIONS N65-17837

OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE FTD-TT-64-634/16264 N65-19139

EXERCISE STIMULATION IN WARM AND COLD ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION EFFECTS ON SWEATING RATE AD-446902 N65-21879

GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA DETERMINATION - ENERGY CORRELATIONS BETWEEN BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT BACTERIA N65-25030

INSULATION RESEARCH ON CONDITIONED REFLEX ACTIVITY AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION IN HUMAN BODY JPRS-30527 N65-27425

INSULATION INFLUENCE ON RESPIRATION IN HUMAN BODY N65-27427

RESPIRATORY DISEASE
SA TUBERCULOSIS

CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON VARIOUS ANIMALS A65-18431

MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND BRONCHITIC SUBJECTS A65-80069

SIGNS OF COMPENSATORY VENTILATION, TACHYPNEA AND HYPERPNEA, AS RELATED TO PHYSICAL EXERCISE A65-80819

AIR TRANSPORTATION OF PATIENTS IN ROYAL AIR FORCE WITH RESPIRATORY PARALYSIS A65-80953

CASE HISTORIES OF DYSPNEA OF NEUROTIC ORIGIN IN PILOTS A65-81822

SUPERFICIAL RESPIRATION AND RESPIRATORY EDEMA INDUCED IN RABBIT BY OZONE INHALATION A65-82350

- SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE AND BAROTRAUMA EXPOSURE A65-82371
- CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER - CYBERNETICS N65-22729
- RESPIRATORY IMPEDANCE**
- SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES OPERATED AT OVERPRESSURES TO COUNTERACT HIGH ALTITUDE HYPOXIA A65-36366
- MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND BRONCHITIC SUBJECTS A65-80069
- LUNG VOLUME AND VENTILATORY RESPONSE TO AIRWAY OBSTRUCTION DURING TREADMILL EXERCISE - RELATION TO OXYGEN CONSUMPTION A65-80316
- OXYGEN COST OF BREATHING DURING RESPIRATION AGAINST PRESSURE A65-80327
- USE OF RESPIRATORY IMPEDANCE IN AEROSPACE MEDICINE A65-81823
- RESPIRATORY PHYSIOLOGY**
- LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH EARTH ATMOSPHERE PARALLELED TO MANNED SPACE FLIGHT A65-26437
- MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT TEMPERATURE A65-30482
- BLOOD CHANGES, HEART FUNCTION AND PULMONARY RESPONSE TO ALTITUDE IN ACCLIMATIZED MEN A65-80974
- HYPEROXIC EFFECT ON RESPIRATION IN NORMAL MEN AND PATIENTS WITH CHRONIC HYPOXEMIA A65-81344
- ABSTRACTS ON RESPIRATORY PHYSIOLOGY FROM SOVIET LITERATURE AD-618421 N65-31931
- RESPIRATORY RATE**
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR HELIUM-OXYGEN ATMOSPHERE A65-22902
- EXERCISE EFFECTS ON CORONARY AND PULMONARY CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY SINUS CATHETERIZATION A65-31346
- IMPEDANCE PNEUMOGRAPHY AS USEFUL ALTHOUGH INDIRECT TECHNIQUE FOR RESPIRATORY VOLUME AND RATE MEASUREMENT A65-34476
- CARDIAC RATE AS FUNCTION OF CHANGES IN RESPIRATION IN MAN A65-80625
- CONTROLLED FREQUENCY BREATHING DURING MUSCULAR EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS TENSIONS A65-80672
- EFFECT OF RESPIRATORY FREQUENCY ON PULMONARY MECHANICS A65-81708
- COORDINATION OF HEART AND RESPIRATORY RATES DURING PHYSIOLOGICAL WORK A65-81853
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE, ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS, AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS BREATHING NEARLY PURE OXYGEN A65-82154
- RESPIRATORY CHANGES IN SICK AND HEALTHY HUMANS UNDER CONDITIONS OF HYPOXIA N65-13628
- RESPIRATORY REFLEX**
- RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN IN MAN AND DECEREBRATE CAT A65-80303
- REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G
- A65-80369
- CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE TENSION AND HYDROGEN ION CONCENTRATION A65-80606
- RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF CARBON DIOXIDE PRESSURE A65-80607
- COMPUTER PROGRAMMING OF HEART-RATE PATTERNS INCLUDING BASE HEART RATE AND RESPIRATORY AND NONRESPIRATORY HEART-RATE REFLEX ACTIVITY N65-28761
- RESPIRATORY SYSTEM**
- SA CARDIORESPIRATORY SYSTEM**
- AERONAUTICAL APPLICATION OF RESPIRATORY AND CARDIOVASCULAR FUNCTIONAL EVALUATION TESTS A65-12883
- INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING PHYSIOLOGICAL SUITABILITY AND ENGINEERING CONSTRAINTS A65-14576
- ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF HUMAN RESPIRATORY SYSTEM A65-34987
- RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI DURING TRANSVERSE ACCELERATION A65-80117
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V SATELLITES A65-80150
- METHOD FOR MEASURING RESPIRATORY COMPLIANCE IN NORMAL HUMAN MALE A65-80308
- MEASURING LUNG DIFFUSION CAPACITY USING REBREATHING METHOD IN SUBJECTS WITH NONUNIFORM VENTILATION A65-80310
- REFLEX CIRCULATORY AND RESPIRATORY RESPONSES TO HYPOXIA - A REVIEW A65-80356
- RESPIRATORY RESPONSE OF MAN TO HYPOXIA A65-80357
- EFFECT OF INCLINED POSITIVE ACCELERATION ON HUMAN EXTERNAL RESPIRATION A65-80398
- PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP A65-80401
- RESPIRATORY SYSTEM RESPONSE IN GUINEA PIG TO BREATHING 100% OXYGEN AT 1 ATMOSPHERE PRESSURE A65-80554
- CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE TENSION AND HYDROGEN ION CONCENTRATION A65-80606
- RESPIRATION AT CONSTANT LOW ARTERIAL PRESSURE AND EFFECT OF STEPWISE CHANGES OF ARTERIAL PRESSURE BEFORE AND AFTER CUTTING OF SINUS NERVES IN CAT A65-80608
- PULMONARY RETENTION AND EXCRETION OF MERCURY VAPORS IN MAN A65-80684
- CHANGES IN RESPIRATION DURING ACCLIMATIZATION IN INTERIOR OF ANTARCTICA A65-80709
- TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART RATE AND RESPIRATORY MOVEMENTS A65-80714
- DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED RESPIRATION IN INTACT ANIMALS A65-80765
- CHANGES IN PULMONARY VOLUME AND VENTILATION IN HEALTHY AND SICK INDIVIDUALS DURING HYPOXIA AT SIMULATED ALTITUDE A65-80799
- PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH TEMPERATURES IN MAN A65-80848

- THEORETICAL AND ANALOGICAL STUDY OF ALVEOLAR GAS COMPOSITION IN PERIODIC REGIME AS APPLIED TO PROBLEM OF CHEMICAL REGULATION OF RESPIRATION
A65-81030
- INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF BREATHING
A65-81274
- RESPIRATORY ARRHYTHMIA AND RESPIRATORY ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND HYPOXIA IN DOGS
A65-81277
- CIRCULATORY AND VENTILATORY RESPONSES TO POSTPRANDIAL EXERCISE
A65-81361
- PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE
A65-81402
- RELATIONSHIP BETWEEN MINUTE VENTILATION, PULMONARY GAS DIFFUSION AND RESPIRATORY WORK MEASURED SIMULTANEOUSLY DURING STANDARD EXERCISE TEST
A65-81413
- ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY OBSTRUCTION DURING REST AND EXERCISE
A65-81607
- RESPIRATORY AND CIRCULATORY CHANGES AFTER EXPERIMENTAL FAT EMBOLISM IN DOGS
A65-81688
- FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION OF HUMAN SUBJECT DURING EXERCISE
A65-81845
- EFFECT OF HIGH ALTITUDES ON PULMONARY CARBON DIOXIDE PARTIAL PRESSURE
A65-81876
- STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I SPACECRAFT
A65-81962
- CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE
A65-82148
- APPARATUS WITH PLETHYSMOGRAPH TO MONITOR RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY SYSTEM
LF-16
N65-11573
- PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY SYSTEM BY ANALOG COMPUTER
AD-606521
N65-12246
- CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS TO CHEST-BACK ACCELERATIONS
N65-13718
- DECOMPENSATION AND COMPENSATION OF RESPIRATORY SYSTEM IN HUMAN HYPOXIA
N65-17780
- PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS EXCHANGE
N65-31041
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT ON SPACECRAFT VOSKHOD
JPRS-31913
N65-32344
- PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO G FORCES - REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958
N65-34775
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777
- RESPONSE
- S CONDITIONED RESPONSE
 - S DYNAMIC RESPONSE
 - S ELECTRODERMAL RESPONSE
 - S FREQUENCY RESPONSE
 - S HEMODYNAMIC RESPONSE
- S MODAL RESPONSE
- S PHYSIOLOGICAL RESPONSE
- S TIME RESPONSE
- REST
- SA BED REST
 - SA SLEEP
- BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT
A65-81771
- RESTRAINT
- RESTRAINT AND EFFECT ON FREE FATTY ACID MOBILIZATION IN RATS
A65-81183
- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES
A65-82368
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING URINE ALTERATIONS
ARL-TR-64-14
N65-20897
- LOWER-LEG RESTRAINT AGAINST CENTRIPETAL FORCE - BINDING DEVICE USED IN YAW AND TRANSVERSE ACCELERATION ENVIRONMENT
AMRL-TR-64-144
N65-21399
- MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT
N65-29750
- PILOT RESTRAINT SYSTEMS DEVELOPMENT AND TESTED UNDER SIMULATED HIGH ACCELERATION CONDITIONS
N65-29769
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT - LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN PERFORMANCE
LMSC-6-62-64-19
N65-31557
- RESUSCITATION
- CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS OF RESUSCITATION IN DOGS
A65-80293
- RETINA
- VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL RESPONSE
A65-32883
- HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING OPERATION RESTRICTED TO BLACK AND WHITE, NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA MODEL
A65-35344
- DIRECTIONAL SENSITIVITY OF RETINA TO INCOMING LIGHT WAVES AND EFFECT ON BRIGHTNESS DISCRIMINATION
A65-80030
- AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND ADAPTATION OF RAT IN RESPONSE TO IONIZING RADIATION
A65-80055
- RETINITIS FROM OVEREXPOSURE TO SOLAR ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT
A65-80267
- FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES
A65-80402
- RIGHT-LEFT RETINAL DIFFERENCES IN TACHISTOSCOPIC IDENTIFICATION RESOLVED AS DUE TO READING HABIT
A65-80569
- VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF RETINA BY INTERACTION OF VISUAL CELL OUTER SEGMENTS AND RETINAL MICROSOMES
A65-80585
- MOTION PERCEPTION AND CHANGING FORM STUDIED FROM CONTINUOUS TRANSFORMATIONS OF SOLID ANGLE OF LIGHT AT EYE
A65-80595

RETINAL ADAPTATION

ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF MAN TO COLOR FLICKER STIMULI A65-80775

VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC ACTIVITY A65-80783

RETINAL VASCULAR RESPONSE TO HYPERBARIC OXYGENATION A65-80883

REACTION TIME AS FUNCTION OF ONSET AND OFFSET STIMULATION OF RETINAL FOVEA AND PERIPHERY A65-81009

TEMPORAL AND SPATIAL VISUAL MASKING - MASKING BY IMPULSE FLASHES A65-81015

ANALYSIS OF FACTORS OF LASER RADIATION PRODUCING RETINAL DAMAGE BY THERMAL INJURY A65-81094

PERIPHERAL DYNAMIC VISION COMPARED WITH STATIC VISUAL ACUITY A65-81118

INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL ILLUSIONS A65-81218

RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE NUCLEUS /Diencephalon/ OF CAT TO MOVING VISUAL PATTERNS A65-81302

RETINAL LOCATION OF INTERNAL PERCEPTUAL SYSTEM NOISE AND REDUNDANCY IN SIMULTANEOUS INPUTS IN FORM IDENTIFICATION A65-81525

SENSITIVITY OF RETINAL BLIND-SPOT REGION TO STIMULATION BY FLICKER A65-82047

CONSTANCY IN SIZE PERCEPTION RELATED TO FOVEAL DIAMETER A65-82082

SPATIAL AND TEMPORAL DETERMINANTS OF VISUAL BACKWARD MASKING A65-82234

PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER FUSION A65-82260

VISUAL NOISE CAUSES TUNNEL VISION A65-82281

ADAPTATION OF HUMANS' TO COLORED SPLIT-FIELD GLASSES A65-82283

FOVEAL FLICKER FUSION USING MOVING STIMULUS A65-82333

ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN EYES OF CATS DURING LIGHT AND DARK ADAPTATION. A65-82353

SPECTRAL SENSITIVITY OF SMALL RETINAL AREAS AD-448595 N65-12067

CALCULATION OF RETINAL DOSE FROM VISIBLE RADIATION OF NUCLEAR EXPLOSIONS LA-3204-MS N65-19331

THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON RETINA OF EYE BY RADIATION - MATHEMATICAL THEORY FPRC/1222 N65-23616

RADIATION EFFECT ON RETINA - BURN INJURY STUDY R-1747 N65-23889

INFORMATION PROCESSING PROPERTIES OF RETINA IN FROG AMRL-TR-65-24 N65-32303

LIGHT MOTION PROCEDURE FOR VIEWING RETINAL CONES NASA-CR-58190 N65-33714

EFFECTS OF NONCONTIGUOUS INDUCING FIELDS UPON RETINAL FLICKER FUSION FREQUENCY THRESHOLD AD-618697 N65-34895

ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES NASA-TT-F-9594 N65-36753

SUBJECT INDEX

RETINAL ADAPTATION
NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES A65-34985

STEADY STATE RESPONSE OF PUPIL TO RETINAL ILLUMINATION IN OBSERVER LACKING FUNCTIONING RODS A65-35587

SIMULTANEOUS CONTRAST INVOLVING LUMINANCE AND PURITY ALTERATION OF GANZFELD A65-80240

COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL NOISE, AND ELECTRORETINOGRAMS AFOSR-65-0039 N65-21449

MUTUALLY INHIBITORY TRANSIENT RETINAL REACTIONS - PHYSIOLOGY N65-29348

INFORMATION PROCESSING PROPERTIES OF RETINA IN FROG AMRL-TR-65-24 N65-32303

VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES NASA-CR-67537 N65-36431

RETINAL IMAGE
INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE SITUATIONS A65-10536

HUMAN VISUAL SYSTEM IN TERMS OF OPTICS AND ENERGY PULSES, DETAILING COLOR VISION A65-12431

FOCUSED AND STRAY LIGHT DISTRIBUTION ON RETINA PRODUCED BY POINT SOURCE A65-18219

UNIFORMLY ILLUMINATED SURFACE LUMINOSITY FLUCTUATIONS DUE TO CORPUSCULAR NATURE OF LIGHT AS VIEWED BY HUMAN OBSERVER A65-18424

EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING CONDITIONS A65-22037

OCULOMOTOR CONTROL DISTURBANCE AND RETINAL IMAGE STABILIZATION DURING FLIGHT CONSIDERING VISUAL TRACKING AND VESTIBULO-OCULAR MECHANISMS A65-24082

RETINAL IMAGE FIXATION DURING NORMAL BODY AND HEAD MOVEMENT, EMPHASIZING NEUROMUSCULAR OUTPUTS TO EYE-IN-SKULL AND SKULL-ON-BODY SPATIAL PLATFORMS A65-26978

REDUCING OR STOPPING INVOLUNTARY EYE MOVEMENTS AS RELATED TO RETINAL IMAGE A65-80661

INFLUENCE OF ATTENTION ON OCCIPITO-CORTICAL RESPONSES TO LIGHTFLASHES IN MAN A65-80777

MEASURING MOVEMENTS OF RETINAL IMAGE WITH RESPECT TO RETINA A65-81058

SENSORY AND MOTOR CONTROL SYSTEM OF RETINAL IMAGE AND DISTURBANCE DURING FLIGHT A66-81069

DISTURBANCES IN FALSE IMAGES IN NEUROSES AND PSEUDONEUROSES FTD-TT-64-52/162 N65-18647

RETINAL IMAGE AND TRANSFORMATION WITHIN VISUAL SYSTEM N65-26531

RETRIEVAL
SA INFORMATION RETRIEVAL
LOCATION AND RETRIEVAL CONCEPTS FOR REENTRY CREW ESCAPE SYSTEMS N65-29759

RHEOLOGY
CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN CLINICAL PRACTICE NASA-TT-F-9497 N65-33261

SUBJECT INDEX

RODENT

- RIBONUCLEIC ACID**
 SA DEOXYRIBONUCLEIC ACID /DNA/
 SA NUCLEOTIDE
- IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION
 IN ESCHERICHIA COLI CELLS AND RNA MESSENGER
 DECAY A65-10633
- TEMPERATURE EFFECT ON PROTON MAGNETIC RESONANCE
 SPECTRA OF RIBONUCLEASE, OXIDIZED RIBONUCLEASE
 AND LYSOZYME A65-18031
- RIBONUCLEASE DIGEST OF AMINOACYL-S RNA IN
 INCOMPLETE PEPTIDE CHAIN LIBERATION BY AMINO ACID-
 NUCLEOTIDE FRAGMENTS ATTACHMENT TO C-TERMINAL
 A65-18042
- CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS
 ORGANS AND PROTEIN METABOLISM DURING PHYSICAL
 EXERCISE IN RATS A65-80836
- CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
 RIBONUCLEIC ACID IN BACILLUS
 ISS-64/48 N65-23306
- TRANSFORMATION OF AMINO-ACYL-S- RNA INTO
 DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE
 CARBODIIMIDE
 NASA-TT-F-9448 N65-27724
- INTERACTION BETWEEN DNA AND RNA OF BACILLUS
 STEAROTHERMOPHILUS
 ISS-64/47 N65-29209
- DIFFERENTIAL DISTRIBUTION OF RNA AND PROTEIN IN
 RIBOSOMAL FRACTIONS OF ESCHERICHIA COLI
 NASA-CR-59068 N65-29388
- FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES
 PURIFICATION AND RECONSTITUTION OF RIBOSOMAL
 SYSTEM OF ESCHERICHIA COLI
 NASA-CR-59029 N65-29485
- PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
 DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
 MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
 LYSOZYME, AND CYTOCHROME C SPECTRA
 NASA-CR-58662 N65-29650
- PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
 OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
 ACID
 EUR-1648.F N65-36376
- RISK-TAKING**
 GALVANIC SKIN RESPONSE OF DRIVERS AND RISK OF
 ACCIDENTS A65-80347
- HEART RATE OF TEST PILOTS OF HIGH PERFORMANCE
 AIRCRAFT AS AFFECTED BY RISK TAKING AND MISSION
 RESPONSIBILITY A65-81293
- SEEKING INFORMATION TO REDUCE RISK OF DECISIONS
 A65-81578
- RISK-TAKING SET OF INDIVIDUAL RELATED TO HIS
 TARGET DETECTION PERFORMANCE A65-81886
- ROCK**
 SA MINERAL
 SA PETROLOGY
 SA SEDIMENTARY ROCK
- NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
 UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
 PROGRAM
 UCRL-14249 N65-35020
- ROCKET**
 SA MISSILE
 SA NUCLEAR ROCKET
 SA PROPULSION SYSTEM
 SA VERONIQUE ROCKET
- PREDICTION AND VERIFICATION OF ROCKET PROPELLANT
 TEST FIRINGS AS RELATED TO AIR POLLUTION
 A65-80220
- TOXICOLOGICAL ASPECTS OF MISSILES AND
- CONTAMINATION IN CLOSED SPACE OF SUBMARINES
 A65-81237
- ROCKET FLIGHT**
 SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
 ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
 DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
 AND X-RAY IRRADIATION A65-81232
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
 OF ROCKET FLIGHT A65-81848
- ROCKET SLED**
 DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS -
 CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET
 SLED AND EFFECT OF VARIOUS DECELERATION FACTORS
 ON HUMAN RESTRAINED BY STRAPS
 AD-609412 N65-19676
- HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
 ON ROCKET SLED N65-19677
- ROD**
 ROD-CONE INDEPENDENCE IN AFTER-FLASH EFFECT
 A65-80804
- RODENT**
 SA GUINEA PIG
 SA MOUSE
 SA RAT
- DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN
 TISSUES AFTER MECHANICAL INSULT IN RODENTS
 A65-80395
- CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
 INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
 PARTICLE AND RADIATION EXPOSURE SIMILAR TO
 POSSIBLE CONDITIONS DURING SPACE FLIGHT
 A65-80439
- ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
 TO RADIATION DAMAGE INFLICTED AFTER USE OF
 CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
 IN RATS AND MICE A65-80541
- FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
 EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
 PRIMATE A65-81099
- CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC
 GROUND SQUIRREL AND RAT A65-81173
- BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
 /CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
 CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
 HYPOTHERMIA A65-81456
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA
 MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
 INVESTIGATIONS OF BLOOD AND BROWN FAT
 A65-81457
- AUTONOMIC NERVOUS INFLUENCE ON HEART OF
 HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG,
 ERINACEUS EUROPEUS A65-81463
- SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
 FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
 IN RODENTS A65-81465
- STATE OF WATER IN TISSUES OF HIBERNATORS
 A65-81466
- THYROID GLAND ACTIVITY IN HEDGEHOG ERINACEUS
 EUROPAEUS DURING HIBERNATION A65-81472
- EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID
 ACTIVITY AND IODINE 131 METABOLISM IN MESOCRICETUS
 AURATUS A65-81594
- BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
 GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
 MICE AND RATS A65-81674
- COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL
 DURING COLD EXPOSURE IN HIBERNATING AND
 NON-HIBERNATING RODENTS A65-81707

ROLLER COASTER OPERATION

HIBERNATION OF HEDGEHOG, ERINACEUS
EUROPAEUS - PERIODICITY OF HIBERNATION OF
UNDISTURBED ANIMALS DURING WINTER AT CONSTANT
AMBIENT TEMPERATURE A65-81764

HIBERNATION IN HEDGEHOG, ERINACEUS
EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO
GRADUALLY DECREASING OR INCREASING AMBIENT
TEMPERATURE A65-81765

EFFECT OF ENVIRONMENTAL ILLUMINATION ON ESTROUS
CYCLES OF RODENTS A65-81867

SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE
BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN
RAT AS COMPARED TO MOUSE A65-81888

ROLLER COASTER OPERATION

DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF
PARTICULATE MATERIAL DURING OPERATION ROLLER
COASTER INCLUDING PERFORMANCE OF CASCADE
IMPACTORS AND FITTING OF DISTRIBUTIONS
AWRE-O-20/65 N65-28885

ROTARY DRIVE

OPERATOR PERFORMANCE OF ROTARY SELECTOR SWITCHES
T5-1187/3111 N65-34302

ROTATING BODY

ORIENTATION AND ROTATION OF HUMAN BODY UNDER
WEIGHTLESS CONDITIONS IN FREE SPACE A65-29680

ROTATING ENVIRONMENT

FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR
CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT
ENVIRONMENTS A65-14526

HUMAN TOLERANCE TO PHYSIOLOGICAL EFFECTS OF HEAD
MOTIONS IN ROTATING ENVIRONMENT A65-24447

CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732

PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON
HUMANS WORKING IN ROTATING ENVIRONMENTS
R-63 N65-15039

PHYSIOLOGICAL MECHANICAL EFFECT OF ACCELERATIONS
ON HUMANS WORKING IN ROTATING ENVIRONMENT
R-63 N65-20565

EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW
MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800 N65-28539

QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS
PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM
UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES
NASA-CR-63803 N65-28540

VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO
ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537 N65-36431

MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553

ROTATION

SA CUPULOMETRY
SA GYRATION

NYSTAGMUS AND VESTIBULAR STIMULATION IN RABBIT
DURING ROTATION A65-80033

ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED
REFLEXES IN RAT A65-80105

FIELD DEPENDENCE STABILITY AFTER ROTATION OF BODY
AS MEASURED BY ROD AND FRAME TEST A65-80461

INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER
EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT
VESTIBULAR APPARATUS A65-80879

SUBJECT INDEX

ROTARY TRACKING OF TARGET AND LIGHT IN SPACE
STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND
12.0 RPM A65-80894

EQUILIBRIUM AND WALKING CHANGES OBSERVED IN
REVOLVING SPACE STATION SIMULATOR A65-80947

ADAPTATION TO PRISMATICALLY ROTATED VISUAL FIELDS
A65-81020

EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON
BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER
CEREBELLAR LOBES IN CATS A65-81544

ELECTROENCEPHALOGRAPHIC RESPONSES AND NYSTAGMUS
AFTER ROTATORY STIMULATION OF VESTIBULAR APPARATUS
A65-81850

RAPID ADAPTATION IN CONSTANCY OF VISUAL DIRECTION
WITH ACTIVE AND PASSIVE ROTATION A65-81934

CENTRAL REGULATION OF THE VESTIBULAR SYSTEM -
ROTATIONAL STIMULATION AND EYE MOVEMENTS A65-82137

NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF
DIENTEPHALIC CENTERS AND TO ROTATORY STIMULATION
OF VESTIBULAR RECEPTORS IN RABBIT A65-82139

EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF
RABBITS TO ROTATION-ACCELERATORY STIMULI A65-82194

CHANGES OF INTERNAL ORGANS IN DOGS SUBJECTED TO
ROTATION N65-13744

SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO
VESTIBULAR STIMULATION DURING ROTATION
JPRS-29571 N65-21363

COMPARATIVE EFFECTS OF PROLONGED ROTATION ON
POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND
DEFECTIVE HUMAN SUBJECTS N65-28350

SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION
IN HUMANS SUBJECTED TO CONTINUOUS ROTATION
NASA-CR-63865 N65-28872

FUNCTIONAL STATE OF VESTIBULAR ANALYZER
INVESTIGATED BY CALORIC AND ROTATION TESTS USING
SOURCES OF IONIZING RADIATION N65-34676

ROTOR BLADE
HELICOPTER ROTOR-BLADE INJURIES AND MEANS OF
PREVENTION A65-81623

RUBIDIUM 86
ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS A65-81176

RUBY LASER
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER
RADIATION HUMAN EYE CAN ABSORB A65-12397

S

S-55B
S EXPLORER XVI SATELLITE

SAFETY
SA AIRCRAFT SAFETY
SA FLIGHT SAFETY
SA HAZARD
SA INDUSTRIAL SAFETY
SA REACTOR SAFETY
SA ROLLER COASTER OPERATION

MINIMIZATION OF HUMAN ERRORS EFFECT ON SYSTEM
SAFETY BY TREATING MAN AS SUBSYSTEM WITHIN GIVEN
SYSTEM A65-31588

BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL

SUBJECT INDEX

SANITATION

- OF RADIATION HAZARDS A65-81091
- FLIGHT STRESS AND SAFETY- AIDS TO PILOT PERFORMANCE A65-81309
- PREVENTION AND CONTROL OF AIRCRAFT ACCIDENTS CAUSED BY DAMAGE TO AIRCRAFT - SURVIVAL ASPECTS A65-81869
- DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR NEUTRON SOURCES - POLONIUM AND RADIUM JPRS-27625 N65-12074
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON VOSTOK SPACECRAFT N65-13657
- BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY RULES FOR PERSONNEL PROTECTION NAVTRADEVCEH-IH-15 N65-14941
- ORIENTATION ON NUCLEAR RADIATION, NUCLEAR SAFETY, AND EMERGENCY MEASURES N65-15416
- ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP - EFFECT ON MOTION AND POSITION, AND SAFETY PROBLEMS OF HIGH G FORCE N65-19678
- GEMINI LAUNCH VEHICLE PILOT SAFETY PROGRAM NASA-TM-X-56714 N65-31008
- NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET UNION JPRS-31646 N65-32010
- SAFETY DEVICE
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE VISUAL GUIDANCE DURING NIGHT DITCHING A65-26172
- SAFETY FACTOR
HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER RADIATION EXPOSURE PG-647/CC/ N65-25935
- MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE OF ORGANISM TO CARBON MONOXIDE, METHANE, AND THEIR COMBINATIONS - MINING SAFETY N65-28292
- MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT N65-29750
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED TECHNICAL DISCIPLINES N65-29770
- SAFETY HAZARD
RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR RADAR PERSONNEL A65-80058
- SAFETY HAZARDS USING NUCLEAR POWER FOR SPACE VEHICLES A65-80527
- SAFETY HAZARDS OF MICROWAVE RADIATION - BIOLOGICAL EFFECTS AND PREVENTIVE MEASURES A65-80788
- CASE HISTORIES OF APPARENT CHEMICAL BURNS AFTER HANDLING MAGNETRON TUBE IN RADAR SET A65-80789
- USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL SPECIMENS A65-81970
- HUMAN FACTORS PROBLEMS OF CONCORD /SUPERSONIC, HIGH-ALTITUDE TRANSPORT AIRCRAFT/ A65-82370
- SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING OF THORIUM AND ITS COMPOUNDS AEC-TR-6536/REV./ N65-26596
- SAGE AIR DEFENSE SYSTEM
FAULT ISOLATION/CORRECTION TEXT AND TROUBLESHOOTING DIAGRAMS FOR SAGE MAINTENANCE TECHNICIANS ESD-TR-64-664 N65-19351
- SAILPLANE
FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS A65-80730
- SALICYLATE
SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN ACCLIMATIZATION TO WORK IN HEAT A65-80304
- SALMONELLA
CHEMICAL STRUCTURE AND EXTENT OF PROTECTION AGAINST IONIZING RADIATION GIVEN BY ALCOHOLS TO BACTERIA, SALMONELLA TYPHIMURIUM LT2 A65-80042
- CLEARANCE OF CARBON, SALMONELLA TYPHIMURIUM, AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND RADIOACTIVE TRACING MEASUREMENTS AAL-TDR-64-14 N65-27531
- SAMPLED DATA
SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN OPERATOR A65-35477
- SAMPLED DATA PURSUIT HAND TRACKING MODEL FOR HUMAN OPERATOR NASA-CR-57221 N65-19749
- SAMPLED DATA SYSTEM
ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM N65-28752
- SAMPLING
SA AIR SAMPLING
SA RANDOM SAMPLE
HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING OPERATION RESTRICTED TO BLACK AND WHITE, NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA MODEL A65-35344
- COMPARISON OF AIRBORNE BACTERIA SAMPLERS BY MEANS OF INERT MONO- AND POLYDISPERSED AEROSOLS A65-81444
- SAMPLING THEORY FOR HUMAN VISUAL SENSE NASA-CR-60618 N65-16657
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS WORLDWIDE SAMPLINGS AND STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS HASL-158 N65-22800
- STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD TO ERROR PROBABILITIES - DERIVATION OF BETA BINOMIAL PROBABILITY FUNCTION ESD-TDR-64-605 N65-26109
- SAMPLING DEVICE
AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC SAMPLERS AND THEIR RELATIVE EFFICIENCIES A65-32795
- CONTINUOUS SAMPLING OF ARTERIAL BLOOD OF UNANESTHETIZED ANIMALS A65-81152
- SAMPLING DEVICES FOR AIRBORNE MICROORGANISMS A65-82026
- ATMOSPHERIC COLLECTION OF MICROORGANISMS USING SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE N65-24000
- SANITATION
SA HYGIENE
SA POTABLE WATER
INDUSTRIAL SAFETY, HYGIENE, AND SANITATION STUDIES JPRS-27200 N65-11459

- QUATERNARY AMMONIUM COMPOUNDS FOR SANITIZING AND DEODORIZING RUBBERIZED FLIGHT CLOTHING AND USE OF NONIONIC DETERGENTS FOR RENDERING SYNTHETIC MATERIALS ANTISTATIC
NAEC-AML-2050 N65-18031
- EFFECT OF INDUSTRIAL NOISES ON HUMAN ORGANISM, AND SANITARY PROTECTION OF AIR
JPRS-29216 N65-19664
- EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION, RATE OF ION FORMATION, AND DISAPPEARANCE CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066
- TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE AND SANITATION STUDIES, WATER PURIFICATION, INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND AIR SAMPLING
JPRS-30993 N65-28294
- SATELLITE**
SA BIOSATELLITE
SA EXPLORER XVI SATELLITE
SA ORBITING SATELLITE
SA SPACE VEHICLE
SA SPUTNIK V SATELLITE
- LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE
A65-33948
- SATELLITE-BORNE RADAR**
SATELLITES AND HIGH FLYING AIRCRAFT TO STUDY CETACEANS AND OTHER LARGE MARINE ANIMALS - OCEANOGRAPHY
N65-30369
- SATELLITE RENDEZVOUS**
HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI SPACECRAFT DURING TERMINATION OF RENDEZVOUS MISSION
LMSC-6-62-64-13 N65-11016
- SCANNING**
COMBINED RADIOACTIVE MATERIAL INHALATION AND HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION TECHNIQUE FOR LUNG SCANNING FOR PULMONARY FUNCTION EVALUATION
UCLA-12-556 N65-24272
- SCANNING DEVICE**
WHOLE-BODY IRRADIATION SCANNER SYSTEM USING THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666
- PSEUDO-RANDOM DOT SCAN TELEVISION SYSTEMS
AD-463037 N65-31833
- SCHEDULING**
FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL FACILITIES AND STRESS-RELATED SYMPTOMS
A65-80895
- SCHIZOPHRENIA**
CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER MOUNTAIN ENVIRONMENT CONDITIONS
N65-17837
- TREATMENT OF SCHIZOPHRENIA PATIENTS BY RESIDENCE IN HIGH MOUNTAINS
N65-17839
- HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED TO SCHIZOPHRENIA PATIENTS
N65-17842
- ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
FTD-TT-65-388/162 N65-26142
- MOOD, MOTILITY, AND 17-HYDROXYCORTICOID EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT
NASA-CR-63785 N65-28097
- SCIENCE /GEN/
SA ENVIRONMENTAL SCIENCE
SA LIFE SCIENCE**
- SA NEUROSCIENCE
SA SPACE SCIENCE**
- PROGNOSSES FOR DEVELOPMENT OF SCIENCE, ORGANIZATION AND LOCALIZATION OF BRAIN FUNCTION, AND TOTALITY IN LIGHT OF CYBERNETICS - PHILOSOPHICAL PROBLEMS IN SCIENCE
JPRS-28029 N65-13509
- SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA - FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY
JPRS-29641 N65-23371
- COMMUNIST CHINA SCIENCE AND TECHNOLOGICAL REPORTS - ORAL CONTRACEPTIVE STEROIDS, SECONDARY ELECTRON, ENTOMOLOGY, SCHISTOSOMIASIS PREVENTION, AND DRUG TREATMENT
JPRS-30299 N65-24887
- SUPPLY OF TRAINED PERSONNEL FOR ENGINEERING AND SCIENCE
NASA-CR-27953 N65-27953
- PROCEDURES FOR CYBERNETICS WITH APPLICATIONS TO MEDICAL SCIENCE
JPRS-31712 N65-31857
- SCINTILLATION COUNTER**
MEASURING CARDIAC OUTPUT OF EXERCISING SUBJECTS WITH SMALL, LIGHTWEIGHT PRECORDIAL COUNTER FOR I125 ALBUMEN
A65-82171
- SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT THYROID TUMORS
REPT.-129 N65-23729
- SCREEN**
X-RAY FLUORESCENCE, X-RAY SCREENS, AND MATERIALS FOR X-RAY PHOTOGRAPHY
N65-30216
- SCREENING TECHNIQUE**
DEPERSONALIZATION SYNDROME AS THREAT TO EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222
- SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY MEN EXPOSED TO BENZENE VAPOR
A65-80611
- SEA
S OCEAN**
- SEA WATER**
HUMAN PERFORMANCE WHILE EXERCISING IN ARTIFICIAL ATMOSPHERE UNDER PRESSURE EQUIVALENT TO 200 FEET OF SEA WATER
REPT.-419 N65-13111
- SEASONAL VARIATION**
DIURNAL AND SEASONAL METABOLIC CHANGES IN ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS LIVING IN HOT CLIMATE
A65-80960
- INFLUENCE OF SEASONAL VARIATION, DIET, AND PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN ANTARCTICA
A65-81308
- SEAT
SA EJECTION SEAT**
- CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM DISCOMFORT TO PILOT DURING ACCELERATION, VIBRATION AND/OR SHOCK
A65-30013
- SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY OF INVOLUNTARY MOVEMENTS
A65-80173
- VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT BACKREST INCLINATIONS
A65-80174
- DYNAMIC CRASH TESTS OF FIXED-WING AND ROTARY-WING AIRCRAFT AS RELATED TO SEAT DESIGN
A65-81833
- FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT PASSENGER SEAT CUSHIONS
N65-29755
- SEAT BELT**
CASE HISTORIES OF INJURIES PRODUCED BY SEAT BELTS

SUBJECT INDEX

SENSITIVITY

- A65-81187
- SECOBARBITAL**
PREMISSION CREW CONDITIONING AND FLIGHT SIMULATION, DETERMINING EFFECT OF SECOBARBITAL TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING MISSION A65-32636
- DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND SECOBARBITAL ON SELF-EVALUATION A65-80004
- PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY SECOBARBITAL AND D-AMPHETAMINE A65-81734
- SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING PERFORMANCE DURING SIMULATED TACTICAL AIR MISSION N65-18379
- SECOND STAGE**
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS IN MALE MINERS WITH SECOND AND THIRD STAGE VIBRATION SICKNESS N65-22644
- SECONDARY EMISSION**
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF CURRENT-TO-DOSE CONVERSION FACTORS N65-34597
- SEDIMENT**
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION YEARS OLD A65-23841
- SEDIMENTARY ROCK**
EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLICAL ORIGIN OF HYDROCARBONS FROM METEORITES A65-81233
- SEEDING**
COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND GAMMA RADIATION IN MICE, RATS, SEEDS, AND DROSOPHILA MELANOGASTER N65-31039
- SEIZURE**
S CONVULSION
- SELECTION**
S PERSONNEL SELECTION
- SELENOGRAPHY**
SA LUNAR GEOLOGY
SA LUNAR SURFACE

DESIGN STUDY OF LUNAR EXPLORATION HAND TOOLS FOR LUNAR GEOLOGICAL AND ENVIRONMENTAL PROGRAM - FIRST QUARTERLY DESIGN REPORT
NASA-CR-65092 N65-31179
- SELF-ADAPTIVE SYSTEM**
SA ADAPTIVE CONTROL

LEARNING PROCESS IN SELF-ADAPTIVE CONTROLS FOR LARGE-SCALE PROCESSES A65-35004
- SELF-LUMINOUS BODY**
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE VISUAL GUIDANCE DURING NIGHT DITCHING A65-26172
- SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR EVACUATING AIRCRAFT AND BOARDING LIFE RAFT N65-29756
- SELF-MANEUVERING UNIT**
SA SPACE SELF-MANEUVERING UNIT /SMU/

ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING UNITS
NASA-CR-198 N65-20401
- SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677
- SEMANTICS**
RELATIONSHIP OF SYNTACTIC LANGUAGE BEHAVIOR TO GRAMMAR AND SEMANTICS OF WORD ASSOCIATION
RADC-TDR-64-146 N65-15779
- SEMICIRCULAR CANAL**
FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT ENVIRONMENTS A65-14526
- AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND RECTILINEAR MOTIONS A65-25648
- HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND MONKEY CAUSED BY ELECTRIC STIMULATION OF SEMICIRCULAR CANAL NERVE A65-80156
- GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS
NASA-CR-59548 N65-11396
- SEMICIRCULAR CANAL AND OTOLITH ORGAN DISTURBANCES BY HIGH G LOAD, WEIGHTLESSNESS, AND ARTIFICIAL GRAVITY IN SPACE TRAVEL
NASA-CR-60419 N65-16027
- ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF SQUIRREL MONKEY INNER EAR
NASA-CR-57931 N65-21338
- EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION ON HORIZONTAL NYSTAGMUS IN CAT
REPT.-620 N65-36664
- SEMICONDUCTOR**
BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE RATE DERIVED MATHEMATICALLY AND APPLIED TO SEMICONDUCTOR AND CANCER PROBLEMS - LIFE SURVIVAL TEST
GRC-64-32/RR/ N65-24362
- RADIATION EFFECTS THRESHOLDS OF ELECTRONIC EQUIPMENT AND STRUCTURAL MATERIALS - METALS, POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC COMPONENTS N65-34587
- SEMICONDUCTOR DEVICE**
NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE STUDIES A65-16780
- MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS
NASA-CR-65072 N65-30921
- SENSATION**
SA TACTILE SENSATION

WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY
JPRS-29743 N65-21711
- SENSING**
REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR MEASURING CHARACTERISTICS OF PHYSICAL ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY N65-30381
- POTENTIAL APPLICATIONS OF REMOTE SENSING TO ECOLOGY RESEARCH N65-33589
- SENSITIVITY**
SA PAIN SENSITIVITY
SA RADIOSENSITIVITY

SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER PREFERRERS REFLECTED THROUGH BLOOD PRESSURE AND SKIN TEMPERATURE DIFFERENCES A65-80350
- INCREASING SENSITIVITY OF MEASURES OF PERFORMANCE A65-80885
- CONTRAST SENSITIVITY IN TEST FIELD WITH BRIGHT SURROUND A65-81419
- SPECTRAL SENSITIVITY OF SMALL RETINAL AREAS

SENSOR

SUBJECT INDEX

- AD-448595 N65-12067
HUMAN SKIN SENSITIVITY TO TEMPERATURE DIFFERENCE
NASA-CR-57207 N65-18938
ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT,
GROSS SENSITIZATION INDEX, AND GROSS SKIN
TOXICITY OF DEVELOPMENT MATERIALS
AMRL-TR-64-120 N65-18967
DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS N65-23364
CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON
CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF
HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION
OF TRAINED DOGS
AMRL-TR-64-145 N65-27837
CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF
SENSITIVITY TO ROTATION IN WHITE RATS
NASA-CR-67253 N65-35110
- SENSOR
SA OPTICAL SENSOR
SA OXYGEN SENSOR
DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS
FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051
VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMETRY
AMRL-TR-64-124 N65-17230
CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC
MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE
AMRL-TR-64-116 N65-19152
BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS,
PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS,
AND ELECTRIC AND MAGNETIC FIELD SENSORS
NASA-CR-63145 N65-25270
VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554
- SENSORY DEPRIVATION
SA CONFINEMENT
TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON
TEMPERATURE INCREASE, NOTING AROUSAL LEVEL
A65-16558
INCREASED STIMULATION LIMITATIONS IN SENSORY
IMPOVERISHED ENVIRONMENT, DISCUSSING OPTIMUM LEVEL
OF AROUSAL FOR WORKING EFFICIENCY
A65-26728
PSYCHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SENSORY
DEPRIVATION, PARTICULARLY FOR SPACE TRAVEL
A65-29100
CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN
AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT -
SENSORY DEPRIVATION A65-80024
MODIFICATION IN VISUAL AND KINESTHETIC
AFTEREFFECT DURING SENSORY DEPRIVATION
A65-80084
CRITICAL FLICKER FUSION FREQUENCY AND DARK
ADAPTATION AFTER SENSORY DEPRIVATION
A65-80085
DEPERSONALIZATION SYNDROME AS THREAT TO
EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222
BUTTON-PRESSING FOR TIME-OFF REWARD DURING SENSORY
DEPRIVATION AS FUNCTION OF RELATIVE COMFORT
A65-80253
SENSORY DEPRIVATION, PERSONALITY FACTORS, AND
EXPERIENCE OF VISUAL IMAGERY A65-80516
- ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION
BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT
A65-80520
SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP
BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF
REPORT, AND ANXIETY A65-80561
PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF
DEFENSES ON RORSCHACH PROTOCOL A65-80562
ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS
ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL
FIELD SIZE A65-80570
TIME IMAGERY, INTROVERSION, AND FANTASIED
PREOCCUPATION IN SIMULATED ISOLATION
A65-80576
SENSORY DEPRIVATION AND COGNITIVE DISORDER
A65-81040
EXPLANATION OF MENTAL SYMPTOMS FOUND IN ACUTE
SENSORY DEPRIVATION A65-81081
PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND
THEIR PREDICTION FROM RORSCHACH PROTOCOLS
A65-81452
STIMULUS REINFORCEMENT DURING SENSORY DEPRIVATION
A65-81560
REACTIONS OF EXTROVERTS AND INTROVERTS TO SENSORY
DEPRIVATION A65-81654
COGNITIVE AND PERCEPTUAL DISTURBANCES IN
SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF
DIFFERENTIAL EXPECTANCY LEVELS A65-81665
MIRROR IMAGE TEST USED TO DETERMINE PSYCHOMOTOR
PERFORMANCE DURING ISOLATION A65-81801
TIME DISCRIMINATION OF SUBJECTS DURING SENSORY
DEPRIVATION A65-81802
MANNED SPACE FLIGHT - REVIEW OF PROBLEMS OF SENSOR
DEPRIVATION, ADAPTATION AND PHYSICAL HAZARDS
A65-81832
SENSORY DEPRIVATION EFFECT ON VISUAL RECOGNITION
THRESHOLDS A65-81933
CAPACITY OF RECOGNIZING MASKED FIGURES AFTER
SENSORY-MOTOR DEPRIVATION A65-82193
SENSORY DEPRIVATIONS IN HUMAN BEINGS EXPOSED
TO WEIGHTLESSNESS N65-13700
EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE,
OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER
SOCIAL ISOLATION AND SENSORY DEPRIVATION -
PSYCHOPATHOLOGY
JPRS-30158 N65-24349
EFFECTS OF SENSORY DEPRIVATION ON SPACE TRAVEL -
SENSORY, PERCEPTUAL, AND PHYSIOLOGICAL ASPECTS
N65-33628
VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO
ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537 N65-36431
- SENSORY DISCRIMINATION
SA BRIGHTNESS DISCRIMINATION
AGE DEPENDENCE OF PILOT RESPONSE IN SIGNAL
SEQUENCE IDENTIFICATION BY APPROPRIATE CONTROL
OPERATION AT MAXIMUM SPEED AND MINIMUM ERROR
A65-22901
AURAL HARMONICS EFFECT ON FREQUENCY DISCRIMINATION
A65-28429
VIBROTACTILE THRESHOLD OF HUMAN SKIN
A65-81961
INFORMATION THEORY AND FUNDAMENTAL CONSTRAINTS TO
SENSORY DISCRIMINATION OF ANIMALS BY TWO KINDS OF
NEURAL NOISE A65-82062

SUBJECT INDEX

SENSORY STIMULATION

- INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS
NASA-TM-X-51729 N65-21479
- ATTENTION THEORY AND PARAMETER MEASUREMENTS OF
HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS
SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY
INFLUENCE ON REACTION TIME
NASA-CR-194 N65-23170
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN
SPACE PHYSIOLOGY
NASA-TT-F-9426 N65-27712
- SENSORY FEEDBACK
DIFFERENTIAL VISUAL FEEDBACK OF COMPONENT MOTIONS
A65-80854
- VISUAL FEEDBACK EFFECT ON NOISE-SIGNAL DETECTION
IN AUDITORY DISCRIMINATION TASK
A65-80881
- DELAYED AUDITORY FEEDBACK EFFECT ON MORSE CODE
TRANSMISSION BY SKILLED OPERATORS
A65-81167
- PASSIVE TEST OF EYE-HAND COORDINATION WITH PRISM
DISPLACEMENT AND ADAPTATION MEASURED BY ERROR FROM
PRETEST TO POST TEST
A65-81649
- MOTOR THEORY OF SPEECH PERCEPTION REVIEWED
A65-81761
- VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK
A65-82081
- ELECTROMECHANICAL APPARATUS FOR ONE OR TWO
DIMENSIONAL PURSUIT TRACKING AND SENSORY FEEDBACK
A65-82343
- FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL
TRAINING, AND USE OF CDC 160-A COMPUTER TO
TEACH PSYCHOMOTOR TASK
NAVTRADEVEN-1517-1 N65-31206
- SENSORY PERCEPTION
SA EXTRASENSORY PERCEPTION
SA KINESTHESIS
SA PROPRIOCEPTION
- EXPERIMENTAL INDUCTION OF SOME SENSATIONS
CORRESPONDING TO FLIGHT ILLUSIONS OF VESTIBULAR
APPARATUS
A65-12882
- SENSORY HAIR STRUCTURE LOCATED IN GRAVITY
RECEPTORS IN UTRICLE AND SACCLE OF SQUIRREL
MONKEY AND GUINEA PIG
A65-25239
- CONTRIBUTIONS TO SENSORY PHYSIOLOGY, VOLUME I
A65-25645
- CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF
CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE
AND FLUID SPACES
A65-25646
- HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP
ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS
A65-80089
- PACINIAN CORPUSCLE OF INTESTINE AND MESENTERY OF
CAT AS AFFECTED BY ACOUSTIC WAVES
A65-80152
- VARIATIONS OF MOTOR RESPONSES TO GRAVITATIONAL
STIMULI CAUSED BY CHANGES OF SENSORY PERCEPTION
IN PIGEONS
A65-80215
- SENSORY PERCEPTION AND SPATIAL ORIENTATION
CONCERNING BODY POSTURE IN SEALED CABIN
A65-80553
- VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND
BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING
A65-81581
- THRESHOLDS IN AUDITION, BALANCE, KINESTHESIA,
PRESSURE, AND VISION RELATED TO MOTOR SKILL
A65-81686
- EXPECTANCY WAVE IN BRAIN MECHANISMS AND PERCEPTION
A65-82255
- INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL
ACTIVITY IN SENSORY PERCEPTION
A65-82267
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND
MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC
ENERGY
REPT.-64-01 N65-12840
- ENCODING IN PERCEPTUAL /VISUAL/ SERIAL POSITION
EFFECT
AD-609101 N65-14083
- UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598
- SENSORY ORGANS IN ANIMAL SYSTEMS - ANALOGY FOR
MANMADE DETECTION DEVICES
NASA-CR-60434 N65-16028
- ABSTRACTS ON PSYCHOPHYSICAL ASPECTS OF SENSORY
PERCEPTION - PSYCHOLOGY
PPM-106 N65-17365
- LIVING ORGANISMS AND FUNCTIONS OF SENSORY ORGANS -
PERCEPTION AND STIMULATION IN EXTERNAL
ENVIRONMENT
JPRS-29744 N65-23775
- SENSORY STIMULATION
TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON
TEMPERATURE INCREASE, NOTING AROUSAL LEVEL
A65-16558
- MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD
DETERMINATION AND REVERIE EFFECTS ON TEMPORARY
THRESHOLD SHIFT ON AUDITORY FATIGUE
A65-25856
- EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON
IMPROVING RAPIDITY AND REGULARITY OF MOTOR
RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN
AVIATION PERSONNEL
A65-32793
- CHANGE IN ELECTROENCEPHALOGRAPH AND SKIN GALVANIC
RESPONSE IN COURSE OF TEMPORARY CONNECTION
FORMATION BETWEEN MOTOR AND VISUAL ANALYSERS IN
MAN DURING PHOTIC AND PROPRIOCEPTIVE STIMULATION
A65-80103
- AWARENESS DURING FLIGHT AND SENSORY INPUT,
EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO
MENTAL PERFORMANCE AND FLIGHT SAFETY
A65-81295
- STIMULUS REINFORCEMENT DURING SENSORY DEPRIVATION
A65-81560
- CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81931
- EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY
IN POSTERIOR HYPOTHALAMUS IN CATS
A65-82275
- SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT
N65-13780
- SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM
WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER
SENSITIVITY
FTD-TT-64-1052/16264 N65-17194
- HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED
SENSORY STIMULATION
JPRS-28929 N65-17304
- SENSORY STIMULATION AS RELATED TO NUTRITION AND
FOOD - APPETITE FACTOR
N65-18584

SEPARATION

TRANSDERMAL HEARING SYSTEM USING MODULATED ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND PERCEPTION
ER-0038 N65-20959

LIVING ORGANISMS AND FUNCTIONS OF SENSORY ORGANS - PERCEPTION AND STIMULATION IN EXTERNAL ENVIRONMENT
JPRS-29744 N65-23775

SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION IN HUMANS SUBJECTED TO CONTINUOUS ROTATION
NASA-CR-63865 N65-28872

SEPARATION
SA EXTRACTION

BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION PROCESSES
QTR-3 N65-25572

SEPARATOR
PERMEABILITY IN GAS-MEMBRANE-GAS SEPARATION SYSTEMS
NASA-CR-51103 N65-16326

SEPARATOR FUNCTION FOR SOLUTION OF PATTERN RECOGNITION PROBLEMS N65-20394

SEQUENTIAL DETECTION
MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED CHOICE TASK A65-14150

INFORMATION REDUCTION IN ANALYSIS OF SEQUENTIAL TASKS A65-80193

NUMBER OF TERMINAL ACTS AND PRIOR INFORMATION EFFECTS ON SEQUENTIAL INFORMATION SEEKING - DECISION THEORY
ESD-TDR-64-606 N65-26121

SERIES
S TIME SERIES

SEROTONIN
SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097

CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT OF RAT PINEAL GLAND A65-80654

EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION
A65-80717

CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY IONIZING RADIATION AND VIBRATION DURING SPACE FLIGHT, IN VARIOUS ANIMALS A65-80979

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING VIBRATION, ACCELERATION AND RADIATION EFFECTS DURING SPACE FLIGHT A65-81325

SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN RAT AS COMPARED TO MOUSE A65-81888

SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156 N65-19645

SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237

NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND RELATIONSHIP BETWEEN NERVOUS AND HUMORAL PROCESSES - INJECTIONS OF SEROTONIN AND HISTAMINE
JPRS-31968 N65-33429

SUBJECT INDEX

SERRATIA
INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH PARAMAGNETIC STRENGTH A65-80428

SERUM
SA PROTEIN

CELLULOSE DERIVATIVES TO ISOLATE ANTIBODIES FROM SERUM A65-26273

NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN SERUM, PAROTID FLUID, AND URINE DURING WEIGHTLESSNESS A65-82359

CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL SERUMS FOLLOWING RESTRAINT
ARL-TR-64-12 N65-20895

VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES N65-22311

BIOCHEMICAL MICROTCHNIQUES IN BLOOD PLASMA AND SERUM DETERMINATIONS OF UREA NITROGEN, URIC ACID, AND CREATININE
LF-22 N65-25292

EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF SERUM ALBUMIN N65-31040

MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679

SERVICE MODULE
SA COMMAND MODULE

VARIOUS OPERATIONAL AND FLIGHT ASPECTS OF APOLLO PROGRAM AND COMPONENT MODULES A65-81355

SET
PERFORMANCE ON COMPLEX INFORMATION-PROCESSING TASK AS FUNCTION OF INSTRUCTIONAL SET AND CHOICE OF SUBJECTIVE CRITERION A65-80243

STIMULUS SET AND RESPONSE SET - ALTERNATION OF ATTENTION A65-80336

SELECTIVE STRATEGIES IN ASSIMILATION OF SUCCESSIVELY PRESENTED SIGNALS A65-80339

SET THEORY
LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION
AMRL-TR-64-114 N65-19602

SEWAGE
CULTIVATION AND GROWTH OF GREEN PLANKTONIC ALGAE ON SEWAGE A65-81386

HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC ALGAE
SERL-64-8 N65-12782

ALGAE GROWTH IN CITY SEWAGE WATER - EXPERIMENTS N65-31423

SEX FACTOR
THRESHOLD INTENSITIES OF THERMAL RADIATION EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE AND FEMALE SUBJECTS A65-80029

DETERMINANTS OF FORCED VITAL CAPACITY AND EXPIRATORY VOLUME AS RELATED TO AGE AND SEX A65-80051

AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR LEARNING A65-80262

PHYSICAL INSULATION OF HEALTHY MEN AND WOMEN OVER 60 YEARS A65-80275

DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN WASHOUT METHOD A65-80306

REJECTION OF TRANSPLANTED TUMORS IN MICE OF BOTH

SUBJECT INDEX

SIGNAL DETECTION

- SEXES EXPOSED TO MAGNETIC FIELDS
A65-80417
- TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX DIFFERENCES RELATED TO DETAILS EXPRESSED IN AIRCRAFT DRAWINGS
A65-80458
- PURSUIT ROTOR PERFORMANCE, PACING, AND MANIFEST ANXIETY
A65-80575
- PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE, SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION, AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE TO HOT ENVIRONMENTS
A65-80962
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132
- WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO HEART RATE AND OXYGEN UPTAKE
A65-81142
- RATE OF INCREASE OF STRENGTH THROUGH ISOMETRIC TRAINING AS FUNCTION OF INITIAL RESTING LENGTH OF MUSCLE IN MEN AND WOMEN
A65-81271
- AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT
A65-81405
- PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS
A65-81598
- TIME ESTIMATION AND FUTURE TIME PERSPECTIVE IN MALE AND FEMALE
A65-81642
- BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES AS AFFECTED BY BREATHING IONIZED AIR
A65-82018
- PURSUIT TRACKING PERFORMANCE RELATED TO CONTROL-DISPLAY COMPATIBILITY, HANDEDNESS, SEX AND PROBABILITY
A65-82111
- TEMPERATURE REGULATION IN YOUNG WOMEN
A65-82163
- CONTROL PROCESSES IN LIVING ORGANISMS - CYTOLOGY AND SEX FACTOR DETERMINATION AND CONTROL
N65-32560
- ROLE OF SEXES IN TRANSMISSION AND CONVERSION OF GENETIC INFORMATION
N65-32583
- SEXTANT
HUMAN FACTORS STUDY FOR DESIGN OF HANDHELD SEXTANT DRD-64-133
N65-18678
- SHELTER
SA SURVIVAL
CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER CONFINEMENT
A65-82097
- ARCTIC SURVIVAL SHELTER HAVING HIGH THERMAL PROTECTION - DESIGN AND MATERIAL TESTING RESULTS
N65-29757
- SHIELDING
SA HEAT SHIELD
SA NUCLEAR SHIELDING
SA RADIATION SHIELDING
SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT AND X-RAY IRRADIATION
A65-81232
- SPACE RADIATION EFFECTS ON APOLLO MISSION - SHIELDING ANALYSIS
N65-34592
- VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598
- ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND SPHERICAL MULTILAYER SHIELDING FOR CALCULATION OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE
N65-34629
- SHIP HULL
APPLICATIONS OF FISH MORPHOLOGY TO AIRCRAFT AND SHIP DESIGN
JPRS-28910
N65-17492
- SHIVERING
OXYGEN CONSUMPTION, BODY TEMPERATURE, AND SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND WITHOUT VOLUNTARY HYPERVENTILATION
A65-80083
- SHOCK
SA IMPACT
TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC SHOCK IN DOGS
N65-22763
- SHOCK LOAD
PHYSIOLOGICAL REACTIONS TO SHOCK OVERLOADS AT HIGH LANDING SPEEDS
N65-13668
- SHOE
THERMAL EVALUATION OF FOOTGEAR ASSOCIATED WITH FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT
AAL-TR-64-25
N65-33319
- SHOOTING STAR AIRCRAFT
S T-33 AIRCRAFT
- SHORT WAVE RADIO TRANSMISSION
LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877
- SHOULDER
MECHANISMS OF SHOULDER MOVEMENT
A65-80988
- SHUNT
VENOUS ADMIXTURE AND SIZE OF MORPHOLOGICAL SHUNTS DURING MODERATE EXERCISE
A65-81695
- SICKNESS
S ALTITUDE SICKNESS
S DECOMPRESSION SICKNESS
S DISEASE
S MOTION SICKNESS
S RADIATION SICKNESS
- SIDE-LOOKING RADAR
POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING RADAR TARGET DETECTION
AMRL-TR-64-82
N65-13995
- SPEED AND ACCURACY OF TARGET RECOGNITION BY NAVIGATORS USING SIDE-LOOKING RADAR DURING AERIAL RECONNAISSANCE
AMRL-TR-64-101
N65-14001
- SIGHT LINE
COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE SPACE RENDEZVOUS MANEUVERS, USING DIRECT VISUAL CUES
AMRL-TR-65-10
N65-35632
- SIGNAL
S AUDITORY SIGNAL
S ERROR SIGNAL
S VISUAL SIGNAL
S WARNING SIGNAL
- SIGNAL ANALYZER
SPEAKER IDENTIFICATION BY EXPRESSING VOICE SIGNAL AT ANALYZER OUTPUT IN TERMS OF FREQUENCY, TIME AND AMPLITUDE
A65-15666
- SIGNAL DETECTION
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING NOISE
A65-10547
- MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED

SIGNAL DETECTOR

SUBJECT INDEX

- CHOICE TASK A65-14150
- THEORY OF DETECTABILITY OF SIGNAL USED TO
CALCULATE CERTAIN PSYCHOMETRIC FUNCTIONS A65-18362
- MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001
- PROACTIVE DECREMENTAL EFFECTS ON RESPONSE SPEED IN
CONTINUOUS DISJUNCTIVE REACTION TIME TASK A65-80027
- DOUBLE STIMULATION EFFECT - TEMPORARY INHIBITION
OF RESPONSE WITH RESPECT TO REACTION TIME,
DICHOTIC LISTENING, AND STEREOSCOPIC PERCEPTION
STUDIES A65-80098
- SIGNAL APPEARANCE PROBABILITY AND EFFECT ON
PROCESS OF ITS DETECTION DURING VISUAL TASK A65-80104
- VISUAL SIGNAL DETECTION DURING
PERFORMANCE OF TWO CONCURRENT
COGNITIVE TASKS A65-80242
- SIGNAL DETECTABILITY IN VIGILANCE TASK AS FUNCTION
OF TRUE AND/OR FALSE KNOWLEDGE OF RESULTS A65-80300
- PERCEPTUAL INTERFERENCE ASSESSED IN STUDY OF
BACKWARD MASKING FOR LETTERS A65-80564
- VISUAL FEEDBACK EFFECT ON NOISE-SIGNAL DETECTION
IN AUDITORY DISCRIMINATION TASK A65-80881
- SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND
SLEEP LOSS A65-81043
- TEMPORAL EFFECTS IN SIMULTANEOUS MASKING BY WHITE
NOISE BURSTS A65-81077
- VISUAL PATTERN DISCRIMINATION AS FUNCTION OF
SPATIAL DISTANCE CHARACTERISTICS AND EXPOSURE
DURATION A65-81166
- PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN
INTENSITY OF WHITE NOISE RELATED TO SIGNAL
DETECTION A65-81343
- THEORY OF SIGNAL DETECTABILITY AND
DEFERRED DECISION THEORY A65-81424
- THEORY OF SIGNAL DETECTABILITY AND PSYCHOPHYSICAL
LEARNING A65-81427
- DETECTION OF SIGNAL MASKED WITH TWO TONES IN
RELATION TO FREQUENCY SEPARATION A65-81478
- KNOWLEDGE OF RESULTS AND CAUTIOUSNESS IN SIGNAL
DETECTION A65-81491
- RESPONSE LATENCY IN VIGILANCE TASK WITH CONSTANT
AND VARIABLE INTERVAL SCHEDULES A65-81643
- TIME SHARING AND VIGILANCE ANALYSED IN VIEW OF
SIGNAL DETECTION THEORY A65-81657
- RADAR TARGET DETECTION AS FUNCTION OF SEARCH AREA
AND VIEWING DISTANCE A65-81885
- RISK-TAKING SET OF INDIVIDUAL RELATED TO HIS
TARGET DETECTION PERFORMANCE A65-81886
- FORCED-CHOICE METHOD FOR USE IN BACKWARD-MASKING
STUDIES WITH DISC-RING PATTERN A65-81960
- PERCEPTION OF DEVIATIONS IN REPETITIVE PATTERNS
A65-81982
- ACOUSTIC FACILITATION OF VISUAL DETECTION
A65-82035
- PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3 N65-15728
- AUDITORY INFORMATION PROCESSING - SIGNAL
DETECTABILITY THEORY APPLIED TO AUDITORY SENSORY
RESPONSES NASA-CR-60441 N65-16816
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL ESD-TR-64-557 N65-21144
- DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV
CHAINS OF SIGNALS NASA-CR-57928 N65-21340
- INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR
PERFORMANCE - SIGNAL DETECTION AND TASK
COMPLEXITY AD-605713 N65-25770
- SIGNAL DETECTOR
DETECTOR CELL CONCEPT FOR SIGNAL RESPONSE
EVALUATION FOR CULTURABLE EARTH MICROORGANISMS
INCLUDING NUTRIENT AND ENVIRONMENTAL FACTORS
NASA-CR-62003 N65-22616
- SIGNAL DISCRIMINATOR
NEUROPHYSIOLOGICAL MECHANISMS EFFECT ON EXTERNAL
SIGNAL DISCRIMINATION NASA-TT-F-307 N65-14947
- EFFECT OF VERTICAL SYMBOL RESOLUTION ON SPEED OF
IDENTIFICATION OF TELEVISION LETTERS AND NUMBERS
RADCR-TR-65-239 N65-34571
- SIGNAL MEASUREMENT
HYDROPHONE RECORDING DATA FOR SOUND SIGNALS
EMITTED BY DOLPHINS FOR DETERMINING SONIC
PRESSURE AT POINT OF EMISSION AND AT POINT OF
RECEPTION JPRS-30466 N65-25426
- SIGNAL NOISE
DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV
CHAINS OF SIGNALS NASA-CR-57928 N65-21340
- SIGNAL TO NOISE RATIO
CORRELATION BETWEEN STIMULUS AND RESPONSE
SEQUENCES DERIVED FROM OBSERVER PERFORMANCE
AND FEEDBACK INFORMATION - SIGNAL TO NOISE RATIO
NASA-TM-X-51737 N65-22198
- SIGNATURE
FEASIBILITY OF IDENTIFYING PERSONS BY ANALYZING
ACCELERATION AND PEN-PAPER CONTACT PATTERNS
GENERATED DURING SIGNATURE PROCESS SID-65-24 N65-30559
- SILICATE
OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY
REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS
A65-34269
- SILICON COMPOUND
SA SILICATE
POSSIBLE ALTERNATIVE CHEMICAL ELEMENTS AND
COMPOUNDS SUITABLE FOR PROLONGED BIOMOLECULAR
EVOLUTION AND CHEMICAL SELECTION ON NONTERRESTRIAL
TYPE PLANET A65-27098
- SILICON JUNCTION
SILICON DIODE CIRCUIT FOR ASSESSING THERMAL
ENVIRONMENT BY CONTINUOUS MEASUREMENT OF WET
BULB GLOBE THERMOMETER / WBGT/ INDEX A65-21485
- SILICONE RUBBER
LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
AND WASH WATER, USING PERMSELECTIVE SILICONE
RUBBER MEMBRANE A65-10696
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
AND WASH WATER, USING PERMSELECTIVE SILICONE
RUBBER MEMBRANE A65-33554
- SILVER OXIDE
REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE
REMOVAL FROM MANNED SPACE CAPSULE AMRL-TR-64-119 N65-20529

SUBJECT INDEX

SIZE PERCEPTION

SIMULATED ALTITUDE

LUNG VOLUME CHANGES OF EMPHYSEMA PATIENTS UPON
EXPOSURE TO SIMULATED ALTITUDE OF 18,000 FT
A65-14237

CONTACT LENS WEAR IN PILOTS - COMPARISON OF
PLASTIC CORNEAL LENS WITH NEW GEL-LENS UNDER
SIMULATED ALTITUDE A65-80153

CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC
HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT
SIMULATED ALTITUDE A65-80795

ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED
ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
AD-451065 N65-11421

PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE
HIGH SPEED FLIGHT
NASA-TN-D-2793 N65-25925

SIMULATION

SA ALTITUDE SIMULATION
SA ANALOG SIMULATION
SA BIOSIMULATION
SA COMPUTER SIMULATION
SA DIGITAL SIMULATION
SA ENVIRONMENT SIMULATION
SA FLIGHT SIMULATION
SA LANDING SIMULATION
SA SPACE CABIN SIMULATION
SA SPACE SIMULATION
SA THERMAL SIMULATION
SA WEIGHTLESSNESS SIMULATION

EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE
COMMUNICATION IN MANNED DEEP SPACE FLIGHT
A65-80528

THERMAL MANIKIN FOR SIMULATION OF ASTRONAUT
THERMOREGULATION SYSTEM AND SPACE SUIT DESIGN
A65-81388

LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE
AND GRAVITATIONAL CONDITIONS A65-81994

MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING
VEHICLE DURING ORBIT, RETROROCKET FIRING, AND
REENTRY INTO EARTH ATMOSPHERE
NASA-TM-X-359 N65-12802

SIMULATION OF TOUCH BY MEANS OF SURFACE ULTRASOUND
WAVES
FTD-TT-64-225/1 N65-15112

METHODOLOGY FOR USE WITH OPERATIONS SIMULATION FOR
CRITICAL TASK-PERFORMANCE VARIABLES
SP-1761/000/00 N65-15317

TEAM TRAINING IN SIMULATED RADAR-CONTROL
INTERCEPTION TASK
NAVTRADEVCE-1327-1 N65-16173

MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS
RRA-T45 N65-22222

FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993 N65-35060

BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL
ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION
AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343

SIMULATOR

SA COCKPIT SIMULATOR
SA CONTROL SIMULATOR
SA FLIGHT SIMULATOR
SA SPACE CABIN SIMULATOR
SA SPACE SIMULATOR
SA VIBRATION SIMULATOR

ROTARY TRACKING OF TARGET AND LIGHT IN SPACE
STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND
12.0 RPM A65-80894

EQUILIBRIUM AND WALKING CHANGES OBSERVED IN
REVOLVING SPACE STATION SIMULATOR
A65-80947

SPACEFLIGHT SIMULATORS FOR ASTRONAUT SELECTION AND
TRAINING A65-81276

SIMULATOR TRAINING

HUMAN FACTOR LABORATORY EMPHASIZING TRANSFER OF
TRAINING AND TACTICAL DECISION MAKING
A65-13527

APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND
SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS
MERCURY AND GEMINI
AIAA PAPER 65-274 A65-22105

INTEGRATED MISSION SIMULATION TECHNIQUE TESTS
PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR
MISSION
AIAA PAPER 65-275 A65-22125

ADVANCED STATE OF SOVIET TRAINING THEORIES
INDICATED BY SIMULATION DEVICES AND TECHNIQUES
EMPLOYED IN THEIR MANNED SPACE PROGRAM
AIAA PAPER 65-276 A65-22260

SIMULATION EQUIPMENT APPLICATION TO TRAINING OF
AIRLINE GROUND AND FLYING PERSONNEL
A65-30468

SIMULATOR AND FLIGHT TEST COMPARISON OF PILOT
PERFORMANCE TO DETERMINE FLIGHT SIMULATOR
REQUIREMENTS
ICAS PAPER 64-554 A65-30943

PERFORMANCE EVALUATION IN SIMULATOR TRAINING
ENVIRONMENT
NAVTRADEVCE-1449-1 N65-14797

ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES
FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING
NEAR OR ON GROUND N65-28452

SIMULATOR TRAINING FOR MOTION SICKNESS
SUPPRESSION IN PROLONGED SPACE FLIGHT
NASA-CR-64639 N65-33256

SINE WAVE

SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS
CORRELATED WITH SPEECH WAVE DATA AND
PHYSIOLOGICAL STRUCTURES
AFCL-65-272 N65-30196

SINUS

NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT
PERSONNEL A65-80873

SIZE

S BODY SIZE /BIOL/
S PARTICLE SIZE
S PUPIL SIZE

SIZE PERCEPTION

PERCEPTION OF OBJECTS IN TERMS OF VISUAL ANGLE
A65-80507

SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD
AND SPATIAL DIRECTION OF STIMULUS OBJECT
A65-80735

SONAR SYSTEM OF BLIND PERSONS - SIZE
DISCRIMINATION A65-81155

BEHAVIORAL BASIS OF PERCEIVED SIZE AND DISTANCE
AND EXPLANATION OF SIZE ILLUSIONS
A65-81404

SUCCESSIVE COMPARISON OF VISUAL SIZE-STUDY OF
POSITIVE TIME ERROR A65-81565

QUANTITATIVE TACTUAL-KINESTHETIC JUDGMENT WITH
LEFT AND RIGHT HAND A65-81685

CONVERGENCE AS CUE TO PERCEIVED SIZE AND DISTANCE
A65-81882

SIZE CUES AND ADJACENCY PRINCIPLE IN PERCEPTION OF
RELATIVE DEPTH A65-82057

SKELETON

CONSTANCY IN SIZE PERCEPTION RELATED TO FOVEAL
DIAMETER A65-82082

SIZE CONSTANCY WITH BINOCULAR AND MONOCULAR
VIEWING. A65-82175

RELATIVE SIZE CUE EFFECT ON PERCEIVED RELATIVE
DISTANCE A65-82262

SKELETON
SA BONE

MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE - MUSCULAR-
SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT
FEMALE CHIMPANZEE ARL-TR-65-3 N65-27544

SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION NASA-CR-63993 N65-29373

SKIN /BIOL/
SA TACTILE DISCRIMINATION

MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF
WHITE RATS AND RABBITS A65-20936

CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES A65-34670

GALVANIC SKIN RESPONSE - THEORETICAL CONSIDERATION
OF SKIN RESISTANCE AND SKIN CONDUCTANCE RELATED
TO SWEAT GLAND A65-80005

TOPOGRAPHICAL STUDY OF THERMAL RADIATION
PROPERTIES OF HUMAN SKIN IN VIVO A65-80006

ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE A65-80180

ABSORPTION OF CARBON TETRACHLORIDE,
TRICHLOROETHYLENE, TETRACHLOROETHYLENE, METHYL
CHLORIDE, AND TRICHLOROETHANE THROUGH HUMAN SKIN
ANALYZED BY INFRARED SPECTROSCOPY A65-80219

THERMAL STIMULATION OF EXPERIMENTALLY
VASOCONSTRICTED HUMAN SKIN AND ADAPTATION A65-80251

RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
CYSTEAMINE A65-80351

PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT
EFFECTS OF SUNLIGHT ON HUMAN BODY A65-80492

SKIN THERMOREGULATION DURING COLD EXPOSURE IN
HUMAN ORGANISMS PREVIOUSLY ADAPTED TO COLD A65-80546

PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636

CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT
STRESS A65-80677

EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM
ON THERMORECEPTORS OF HUMAN SKIN A65-80715

ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS A65-81096

DERMATOLOGIC MANIFESTATIONS OF LASER RADIATION IN
HUMANS A65-81097

EFFECT OF LASER RADIATION ON TYROSINASE ACTIVITY
IN HUMAN SKIN A65-81098

SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING
ENVIRONMENTAL TEMPERATURE A65-81133

MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT

SUBJECT INDEX

SKIN A65-81278

INVESTIGATION OF UNCONDITIONED VASCULAR REFLEXES
UPON THERMAL STIMULATION OF SMALL SKIN AREAS A65-81304

EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST
CELLS AND METACHROMASIA OF RAT SKIN A65-81597

RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK A65-81631

RELATIONSHIP BETWEEN FOUR METHODS OF STUDYING
CUTANEOUS BLOOD CIRCULATION A65-81633

MECHANISM OF ACTION OF MICROWAVES OF SKIN IN
ALBINO RATS AND RABBITS A65-81699

CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER A65-81910

PATHOLOGICAL CHANGES OF SKIN IN GUINEA PIGS AFTER
EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA A65-82049

PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN
SKIN AND ITS INFLUENCE ON VITAL PROCESSES N65-15173

GAS EXCHANGE THROUGH HUMAN SKIN AND ITS IMPORTANCE
TO HUMAN BODY JPRS-28923 N65-17303

ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE
COMPENSATION FOR HYPOXIA IN MAN N65-17781

HYPOXIA IN UNCOMPENSATED SKIN LOSS FROM BURN
INJURY N65-17805

GALVANIC SKIN RESPONSE RECORDING APPARATUS
AD-610222 N65-18684

ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT,
GROSS SENSITIZATION INDEX, AND GROSS SKIN
TOXICITY OF DEVELOPMENT MATERIALS AMRL-TR-64-120 N65-18967

DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH
HUMAN SKIN SURFACE JPRS-29142 N65-19326

TRANSFER FUNCTION THROUGH HUMAN SKIN
AD-611281 N65-20121

DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE AAL-TDR-63-28 N65-27561

SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY
MICROWAVE RADIATION N65-28707

REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER
VARIOUS PHYSIOLOGICAL CONDITIONS N65-29032

X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX
CANCER IN U.S.S.R. N65-30219

BETA RADIATION PENETRATION DETERMINATION OF
STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS
THICKNESSES REPT.-155 N65-31074

QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN N65-34605

ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND
SPHERICAL MULTILAYER SHIELDING FOR CALCULATION
OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE N65-34629

SKIN GRAFT
CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN

- EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING BY RADIO OF PULSE WAVE DIFFUSION SPEED
JPRS-28549 N65-17722
- SKIN GRAFT REJECTION IN FETUS OF SHEEP
N65-22306
- SKIN RESISTANCE
NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN AND RAT A65-82327
- SKIN TEMPERATURE /BIOL/
SA TEMPERATURE CONTROL
- SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL CHARACTER AND ENERGY LEVEL A65-14231
- HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT ENVIRONMENT A65-24076
- HEAT ABSORBING CAPABILITIES OF ENVIRONMENT, EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND SWEAT RATE A65-28378
- BIOINSTRUMENTATION DEVELOPMENT FOR MONITORING PHYSIOLOGICAL DATA IN HIGH PERFORMANCE AIRCRAFT A65-36047
- THERMAL RADIATION OF SKIN AS FUNCTION OF PERIPHERAL CIRCULATION AND COOLING IN MAN A65-80007
- THRESHOLD INTENSITIES OF THERMAL RADIATION EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE AND FEMALE SUBJECTS A65-80029
- BIOCHEMICAL ALTERATIONS OCCURRING DURING PHYSIOLOGICAL REACTIONS OF SKIN FOLLOWING EXPOSURE TO ULTRAVIOLET RAYS A65-80056
- THERMORECEPTOR RESPONSE OF MONKEY AS AFFECTED BY MODERATE CHANGE IN CUTANEOUS TEMPERATURE A65-80102
- SKIN TEMPERATURE RESPONSES TO OPTICALLY FILTERED INTENSE THERMAL RADIATION A65-80140
- CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT ON REFLEX VASODILATATION IN HAND A65-80189
- RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN IN MAN AND DECEREBRATE CAT A65-80303
- SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER PREFERRERS REFLECTED THROUGH BLOOD PRESSURE AND SKIN TEMPERATURE DIFFERENCES A65-80350
- CUTANEOUS NERVE, ELECTROPHYSIOLOGICAL ACTIVITY IN RESPONSE TO TEMPERATURE CHANGES OF CAT SKIN A65-80859
- PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE, RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION OF MEN WORKING IN ANTARCTIC A65-81140
- RADIANT HEATING OF BODY IN ACCLIMATIZED AND UNACCLIMATIZED SUBJECTS - SWEATING AND SKIN TEMPERATURE IN BODY REGIONS HEATED BY INFRARED A65-81692
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING INTENSE THERMAL RADIATION EXPOSURE A65-81915
- SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL WARM WATER IMMERSION A65-81916
- CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS LEVELS A65-82161
- ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION A65-82162
- PERIPHERAL MECHANISMS OF SKIN TEMPERATURE PERCEPTION
NASA-CR-56192 N65-16429
- HUMAN SKIN SENSITIVITY TO TEMPERATURE DIFFERENCE
NASA-CR-57207 N65-18938
- TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE HEATING AND COOLING
AMRL-TR-64-131 N65-19154
- EXERCISE STIMULATION IN WARM AND COLD ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION EFFECTS ON SWEATING RATE
AD-446902 N65-21879
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING EXPOSURE TO INTENSE THERMAL RADIATION
DASA-1566 N65-28921
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE DIFFUSE THERMAL RADIATION EXPOSURE
AMRL-TR-65-64 N65-35045
- SKY RADIATION
RADIATION LOAD BY DIRECT SUN RADIATION AND SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY A65-80909
- SKYDROL
S ESTER
S PHOSPHATE
- SKYHAWK AIRCRAFT
S A-4 AIRCRAFT
- SLANT PERCEPTION
OBSERVER JUDGMENT OF HOMOGENEOUS WHITE FORMS, SLANT AND SHAPE UNDER REDUCED MONOCULAR VIEWING AND AT VARIOUS DEGREES GEOMETRIC SLANT A65-22466
- INTERACTION OF FORM AND EXPOSURE TIME IN PERCEPTION OF SLANT A65-81004
- ROLE OF APPARENT SLANT IN SHAPE JUDGMENTS A65-81341
- PERCEIVED SLANT AS FUNCTION OF RELATIVE HEIGHT. A65-81641
- PERCEPTUAL INVARIANCE IN KINETIC DEPTH EFFECT A65-81663
- SLEEP
SA ELECTRONARCOSIS
SA HIBERNATION
- CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES A65-27064
- MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING RELATED TO EYE MOVEMENT RECORDED ON ELECTROENCEPHALOGRAM A65-80157
- ELECTROENCEPHALOGRAPHIC CHANGES IN MICE IN WAKE-SLEEP CYCLE A65-80329
- PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP A65-80401
- SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF SLEEPING DONOR A65-80454
- SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF REPORT, AND ANXIETY A65-80561
- ELECTRODERMOGRAM DURING SLEEP RELATED TO APPEARANCE OF RAPID EYE MOVEMENTS A65-80571

EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING
WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE
SLEEP A65-80616

AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638

PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES
DURING SLEEP IN MAN A65-80642

OXYGEN CONSUMPTION AND METABOLIC RATES IN HYPNOTIC
TRANSE AND SLEEP A65-80681

TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX A65-80888

AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP A65-80945

AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES A65-80946

SPECIFIC MOTOR RESPONSE DURING SLEEP TO
SLEEP-ADMINISTERED MEANINGFUL SUGGESTION A65-81012

TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS A65-81380

ELECTROENCEPHALOGRAPHIC ACTIVITY OF FRONTAL
CORTEX, DORSAL HIPPOCAMPUS, AND MESENCEPHALIC
RETICULAR FORMATION OF RAT DURING PARADOXICAL AND
SLOW WAVE SLEEP A65-81381

PROBLEM OF SLEEP DURING NIGHT FLYING- VIGILANCE,
ACCIDENTS AND DRUGS A65-81446

MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO
OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT
IN SLEEP A65-81483

STEADY POTENTIAL SHIFTS IN CAT DURING AROUSAL AND
DEEP SLEEP A65-81534

EFFECT OF VISUAL STIMULI ON DREAM CONTENT DURING
SLEEP A65-81653

PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN -
DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED
WAKEFULNESS A65-81715

CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930

MENTAL ACTIVITY IN HYPNAGOGIC PERIOD AT SLEEP
ONSET RELATED TO ELECTROENCEPHALOGRAPHY PATTERN A65-82003

LITERATURE REVIEW OF STUDIES ON EXPERIMENTAL
CONTROL OF DREAMING A65-82045

GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS A65-82046

CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS A65-82050

ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF
YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING
OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION A65-82162

DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM
RAPID EYE MOVEMENT SLEEP A65-82223

DREAM CYCLES IN HUMAN AND ANIMAL SLEEP A65-82256

EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS A65-82276

SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF

CEREBRAL CORTEX OF CAT DURING SLEEP AND
WAKEFULNESS IN RESPONSE TO AMPHETAMINE,
CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE
DERIVATIVE A65-82300

NEUROPHYSIOLOGICAL AND PSYCHOANALYTICAL ASPECTS OF
DREAM CYCLES A65-82322

SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT
DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN
CAT A65-82352

ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY
NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING
LEARNING AND DIFFERENT STAGES OF SLEEP AND
ALERTNESS N65-13205
AFOSR-64-0966

TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED
SLEEP WITH ELECTRICITY N65-30711
JPRS-31347

THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY
IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM N65-32380
JPRS-31837

ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING
MACHINE N65-36895
NASA-TT-F-9743

SLEEP DEPRIVATION SA WAKEFULNESS

SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE
BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC
PERCEPTION AND COLOR VISION A65-29058

SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH
DATA, ORIENTATION, COMMUNICATION, AND ROLE OF
MOTIVATION IN PROLONGED SLEEP DEPRIVATION A65-80020

EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH
D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS
ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION
AND FATIGUE A65-80160

TASK COMPLEXITY AND PRACTICE - EFFECTS
ON PERFORMANCE AFTER LOSS OF SLEEP A65-80341

NEUROLOGICAL FINDINGS AFTER PROLONGED SLEEP
DEPRIVATION A65-81021

SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND
SLEEP LOSS A65-81043

PARADOXICAL SLEEP AND RELATION TO DEPRIVATION IN
CAT A65-81157

EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS A65-81710

DEPRIVATION OF DREAMING SLEEP BY TWO METHODS
RESULTING IN COMPENSATORY RAPID EYE MOVEMENT A65-82024

DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS
OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION,
HYPERVENTILATION, AND PHOTIC STIMULATION A65-82032

SLUDGE

EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS N65-10014
SAM-TDR-64-41

SMOKE

HEALTH HAZARDS OF SMOKE DYES IN CURRENT USE N65-34680
PA-TM-1674

SMU

S SPACE SELF-MANEUVERING UNIT /SMU/

SNAKE

RACER ELECTROCARDIOGRAM UNDER NORMAL CONDITIONS
AND IN HYPOXIA N65-17755

SOCIAL FACTOR

SOCIAL DIFFERENCES IN AUDITORY PERCEPTION
A65-81569

DIMENSIONAL DESCRIPTIONS OF PHYSICAL AND SOCIAL
STIMULUS VARIABLES INFLUENCING BEHAVIOR
VARIANCE - PSYCHOLOGY
AD-602369 N65-21854

PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299 N65-34557

SOCIAL ISOLATION

PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF
DEFENSES ON RORSCHACH PROTOCOL A65-80562

TIME IMAGERY, INTROVERSION, AND FANTASIED
PREOCCUPATION IN SIMULATED ISOLATION
A65-80576

ELECTROENCEPHALOGRAPHIC CHANGES IN PERSONS
ISOLATED FOR LONG PERIODS OF TIME
A65-80858

PSYCHOLOGICAL ASPECTS OF ADAPTATION TO LIFE ON
ANTARCTIC STATIONS A65-81236

BEHAVIOR PATTERNS OF GROUPS EXPERIMENTALLY
CONFINED IN FALLOUT SHELTER A65-81659

HUMAN BEHAVIOR STUDY ON SOCIAL STRUCTURE CHANGE IN
SMALL ISOLATED GROUPS
REPT.-64-24 N65-22949

EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE,
OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER
SOCIAL ISOLATION AND SENSORY DEPRIVATION -
PSYCHOPATHOLOGY
JPRS-30158 N65-24349

MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388

SOCIOLOGY

CYBERNETICS - PHILOSOPHY AND SOCIOLOGY
JPRS-22814 N65-17310

SODIUM

SA ALKALI METAL

SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT
POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL
HEMODYNAMICS A65-80175

OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG
KIDNEY A65-80362

RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN
DOG DURING CHANGE FROM SUPINE TO ERECT POSITION
AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING
WEIGHTLESSNESS SIMULATION A65-82115

SODIUM AMYTAL

RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST
AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO
IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE
AND AMYTAL A65-80649

SODIUM BICARBONATE

SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW
A65-80674

INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM
BICARBONATE IN RAT AS AFFECTED BY WATER
DEPRIVATION AND THERMAL STRESS A65-81000

SODIUM BROMIDE

RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST
AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO
IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE
AND AMYTAL A65-80649

SODIUM CHLORIDE

HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING
PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING
WATER OF LOW SALT CONTENT A65-80955

SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER
CONDITIONS OF WORK IN HOT CLIMATE
A65-80957

SALT REQUIREMENTS OF ACCLIMATIZED PEOPLE
PERFORMING PHYSICAL EXERCISE IN TROPICS
A65-80968

HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999

INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM
BICARBONATE IN RAT AS AFFECTED BY WATER
DEPRIVATION AND THERMAL STRESS A65-81000

SODIUM COMPOUND

SA PENTOBARBITAL SODIUM

COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS
BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT
VARIOUS OXYGEN PRESSURES N65-17816

SODIUM IODIDE

WHOLE-BODY IRRADIATION SCANNER SYSTEM USING
THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666

SODIUM NITRATE

PCLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN
SPLEEN AND VENA CAVA OF MICE INJECTED WITH
SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION
SAM-TR-65-13 N65-30506

SODIUM SULFITE

REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE
A65-80827

SOFT LANDING

SA LUNAR LANDING

FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993 N65-35060

SOIL

SA MINERAL

MICROORGANISM DETECTION IN SOILS BY ESTIMATING
CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN
HYDROGEN PEROXIDE DECOMPOSITION
A65-26285

WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326

SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE
ACTIVITY MEASURED BY FLUORESCENT ASSAY
NASA-CR-50919 N65-16278

PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709 N65-16815

ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585 N65-20625

GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL
MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE
N65-31422

CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL
PROCESS IN ANAEROBIC SOIL
FC3-3957/T-166-1 N65-32693

ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS,

SOLAR ACTIVITY

SUBJECT INDEX

- RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS
TECHNOLOGY, AND INSTRUMENTATION
BNWL-36 N65-33022
- CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL
TID-20741 N65-34316
- NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
PROGRAM
UCRL-14249 N65-35020
- SOLAR ACTIVITY**
SOLAR ACTIVITY EFFECT ON PHYSIOLOGICAL AND
BIOLOGICAL PHENOMENA
JPRS-27563 N65-12870
- MICROORGANISMS AS INDICATORS OF SOLAR ACTIVITY AND
PRECURSORS OF SOLAR FLARES N65-13773
- SOLAR CELL**
BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES A65-81156
- SOLAR FLARE**
ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM
SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS
A65-13764
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE
A65-25098
- MICROORGANISMS AS INDICATORS OF SOLAR ACTIVITY AND
PRECURSORS OF SOLAR FLARES N65-13773
- RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM
SOLAR FLARE RADIATION - RADIATION EFFECTS
N65-34584
- SOLAR RADIATION**
SOLAR AND COSMIC RAY EFFECTS ON PROGENY YIELDS IN
FRUIT FLY DROSOPHILA MELANOGASTER SUBJECTED TO
MAGNETIC ENVIRONMENT A65-17351
- RETINITIS FROM OVEREXPOSURE TO SOLAR
ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT
A65-80267
- RADIATION LOAD BY DIRECT SUN RADIATION AND
SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING
PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY
A65-80909
- SOLAR HEAT GAIN OF CLOTHED HUMAN BODY IN HIMALAYA
COMPARED TO OTHER ENVIRONMENTS A65-80975
- VENTILATED CLOTHING AND UMBRELLA TO PROTECT
INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION
A65-81789
- ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY
AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT
AIR TEMPERATURE OF MOUNTAINS N65-17819
- TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY
NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865
- SOLAR RADIATION SHIELD**
RADIATION EXPOSURE IN SOLAR PARTICLE BEAMS BEHIND
VERY LOW SHIELDING - RADIATION PROTECTION OF
SPACE SUIT
NASA-CR-62198 N65-21724
- SOLAR SYSTEM**
EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM
N65-16608
- SOLAR WIND**
ORIGIN AND EVOLUTION OF LIFE PRIOR TO TWO BILLION
YEARS AGO IN PRESENCE OF WEAK MAGNETIC FIELD,
NOTING POSSIBLE ENHANCEMENT BY SOLAR WIND
A65-23842
- SOLID PROPELLANT**
CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506
- SOLID STATE**
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL
CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440 N65-25850
- SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVCE-1440-1 N65-31622
- SOLID STATE DEVICE**
SA LASER
SA SEMICONDUCTOR DEVICE
- BIOMEDICAL INSTRUMENTATION USING SQUEGGING
OSCILLATOR FOR LOW POWER DIGITAL TELEMETRY
A65-10741
- SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS
FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING
ENVIRONMENTAL FACTORS
AD-612908 N65-26003
- SONAR**
SONAR SYSTEM OF BLIND PERSONS - SIZE
DISCRIMINATION A65-81155
- INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR
PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS
LR-18525 N65-23152
- SONIC BOOM**
HUMAN REACTIONS TO SONIC BOOM, EXAMINING
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS AND
PROPERTY DAMAGE A65-24071
- HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSE TO
SONIC BOOM A65-81062
- SONIC BOOM - STRUCTURAL STABILITY AND
PHYSIOLOGICAL HAZARDS AND PROTECTIVE MEASURES
A65-81997
- SUBJECTIVE REACTIONS TO SONIC BOOMS AND HUMAN
ADAPTATION OR REACTION
NASA-CR-187 N65-17877
- SOUND**
SA ACOUSTICS
- EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC
STIMULI ON DEVELOPMENT OF NUTRITIONAL
CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL
NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- INCREASING RELIABILITY OF MACHINE PERCEPTION OF
VOCAL SOUNDS BY INTRODUCING REPEATED DEMAND
FTD-TT-65-104/1&2 N65-30149
- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF
CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND
SOUND STIMULI
JPRS-31467 N65-31531
- ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL
N65-32587
- SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADC-TR-65-184 N65-34570
- SOUND INTENSITY**
SA NOISE INTENSITY
- VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND
BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING
A65-81581
- JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND
WHITE NOISE AS AFFECTED BY REPETITION RATE
A65-82295
- HYDROPHONE RECORDING DATA FOR SOUND SIGNALS
EMITTED BY DOLPHINS FOR DETERMINING SONIC

SUBJECT INDEX

SPACE CABIN ATMOSPHERE

- PRESSURE AT POINT OF EMISSION AND AT POINT OF RECEPTION
JPRS-30466 N65-25426
- EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES ON MORPHOLOGY OF WHITE RAT TESTES
N65-28703
- SOUND LOCALIZATION**
MINIMUM DETECTABLE CHANGE IN INTERAURAL TIME AND INTENSITY DIFFERENCE AS FUNCTION OF OVERALL INTENSITY FOR DICHOTIC CLICKS A65-21273
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT ON CATS A65-30589
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- SOUND LOCALIZATION IN FREE FIELD AND INTERAURAL THRESHOLD DIFFERENCES A65-80037
- PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN DIFFERENT POSITIONS IN SPACE AS RELATED TO DIRECTION OF PERCEPTION A65-81377
- SOUND MEASUREMENT**
LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521
- SOUND PROPAGATION**
EQUATION ESTIMATING AURAL DETECTION DISTANCES ASSOCIATED WITH GIVEN AERIAL VEHICLE NOISE LEVEL
AIAA PAPER 65-329 A65-32323
- SOUND TRANSMISSION**
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF STAPEDIUS AND TENSOR TYMPANI MUSCLES A65-80035
- SOUND DIFFRACTION MEASUREMENT IN VICINITY OF HUMAN EAR FOR POSITIONING MICROPHONE A65-81349
- RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE EAR, AND INNER EAR TO BONE CONDUCTION IN CATS A65-82129
- INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS A65-82298
- SOUND TRANSMISSION IN HUMAN EAR AND NON-OTOSCLEROTIC OSSICLE FIXATION A65-82309
- SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS - INSTRUMENTATION, NASAL CAVITY STRUCTURES, ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964 N65-23850
- SOUND WAVE**
EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF POLLEN OF PLANT TRANDESCANTIA PALUDOSA A65-81939
- SOURCE**
S ENERGY SOURCE
S HEAT SOURCE
S LIGHT SOURCE
S NEUTRON SOURCE
S POWER SUPPLY
S RADIATION SOURCE
- SPACE BIOLOGY**
S BIOASTRONAUTICS
S EXTRATERRESTRIAL LIFE
- SPACE CABIN**
SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE MATERIAL A65-14806
- DEGASSING CHARACTERISTICS OF MATERIALS AND SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL EVALUATION TECHNIQUE A65-23617
- WATER VAPOR CONTENT FOR HUMAN COMFORT AND THERMAL BALANCE IN SEALED CABINS AND PRESSURE SUITS A65-28379
- SPACE CABIN ATMOSPHERE CONTAMINANTS EFFECT, PARTICULARLY OZONE, ON VISUAL PERCEPTION A65-35488
- PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT POSTURAL POSITIONS A65-80129
- REACTION OF HUMAN PERFORMANCE TO COMPLEX ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT CABIN
NASA-TT-F-273 N65-11874
- SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS, SIMULATED SPACE FLIGHT, AND COMMUNICATIONS
ATD-P-65-11 N65-20926
- HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED SUITS
NASA-CR-216 N65-23171
- SPACE CABIN ATMOSPHERE**
SA CLOSED ECOLOGICAL SYSTEM
- CREW MANAGEMENT REQUIREMENTS FOR OPERATING PROTOTYPE OF INTEGRATED LIFE SUPPORT SYSTEM FOR LONG RANGE SPACE FLIGHT
SAE PAPER 908C A65-12817
- MANNED SPACECRAFT OXYGEN REQUIREMENTS, CRYOGENIC STORAGE, PRODUCTION AND TWO-GAS ATMOSPHERES A65-14381
- SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM FERMENTED EXCRETA A65-14382
- INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING PHYSIOLOGICAL SUITABILITY AND ENGINEERING CONSTRAINTS A65-14576
- OXYGEN REGENERATION FROM SOLID ELECTROLYTIC REDUCTION OF CARBON DIOXIDE FOR SPACE CABIN ATMOSPHERE
AICE PREPRINT 47D A65-15346
- HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS USING HYDROGEN DIFFUSION CATHODE TO REMEDY CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394
- BOSCH PROCESS CLOSED CYCLE OXYGEN PRODUCTION UNIT FOR SPACE APPLICATION
AICE PREPRINT 47A A65-15398
- PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE CONTROL AND FOOD PRODUCTION A65-17930
- ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON DIMENSIONAL ANALYSIS AND MODEL THEORY A65-19839
- SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS A65-22752
- INTERPLANETARY MISSION LIFE SUPPORT SYSTEM EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE CONDITIONING, WATER MANAGEMENT, TEMPERATURE CONTROL AND SYSTEM INTEGRATION
ASME PAPER 65-AV-33 A65-22954
- SPACE CABIN ATMOSPHERE REGENERATION AND CONTROL PROBLEMS COVERING CARBON DIOXIDE, WATER, OXYGEN CONCENTRATIONS AND TRACE CONTAMINATION
ASME PAPER 65-AV-47 A65-23454

MANNED ORBITAL AND LUNAR BASE HABITABILITY
REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION,
HYGIENE, GRAVITATION AND WORK-REST CYCLE

A65-23642

SPACECRAFT CABIN ENVIRONMENT CONTROL OF ATMOSPHERE
AND TEMPERATURE, DESCRIBING OXYGEN REGENERATION
SYSTEM USING ZEOLITE BEDS AND SILICA GEL

A65-33615

ATMOSPHERIC GAS SUPPLY FOR MANNED SPACE CABIN
SIMULATOR CONTROLLED, USING BREADBOARD SYSTEM

A65-34477

NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT
SYSTEMS IN SPACESHIP CABINS DURING PROLONGED
FLIGHTS

A65-35255

CORNUCOPIA, STORABLE BI-PROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY

A65-80143

AIR FORCE RESEARCH ON TOXICITY OF MATERIALS
POSSIBLY CONTAMINATING SPACE CABINS

A65-81161

MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE
CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES

A65-81971

SPACE CABIN ATMOSPHERE TOXICOLOGY - A NEW RESEARCH
FACILITY

A65-82091

SOLID CHEMICAL AIR GENERATOR FOR PRODUCING
BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE -
SPACE APPLICATION

AG-1

N65-10267

HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS

N65-13675

USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE

N65-13678

PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS
CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND
GEMINI PROJECTS

NASA-TN-D-2506

N65-14451

PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS

N65-14453

EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE

N65-14454

EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND
GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN
PHYSIOLOGICAL ADAPTION

NAEC-ACEL-498

N65-14457

PLANT LEAVES FOR OXYGEN PRODUCTION IN SPACE CABIN
ATMOSPHERE

NASA-CR-50295

N65-17071

ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF
SPACE VEHICLE CABIN ATMOSPHERES

N65-18381

TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS

LR-17744

N65-20120

BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION
IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION
PROCESSES

QTR-3

N65-25572

SIMULATION OF CLOSED ATMOSPHERES FOR SPACE FLIGHTS

N65-33631

HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE

NASA-TM-X-51649

N65-35262

SPACE CABIN SIMULATION

HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO
SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY
POSITIONS AND CONFIGURATIONS

A65-14223

SPACE MISSION SIMULATION SYSTEM DESIGN DEVELOPMENT
AND MANAGEMENT TECHNIQUES INCLUDING FOUR-MAN 30-
DAY MISSION SPACE CHAMBER EXPERIMENT

A65-23616

EXPERIMENTAL EXPOSURE OF HUMAN SUBJECTS TO CLOSED
ENVIRONMENT SYSTEM FOR SIMULATION OF SPACE CAPSULE
CONDITIONS

A65-80930

DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT

A65-81071

USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE

N65-13678

PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN
CENTRIFUGE

JPRS-30817

N65-26960

EXTRATERRESTRIAL SPACE CABIN ENVIRONMENT FOR
EXTENDED SOLAR SYSTEM TRAVEL

FTD-TT-65-72/182

N65-27586

PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND
OTHER PRIMATES AND USE OF EEG AS FATIGUE
INDICATOR DETERMINED FROM PARTIAL SPACE CABIN
SIMULATION

N65-28773

SPACE CABIN SIMULATOR

CREW WORK STATION SIMULATORS DESIGN AND EVALUATION

A65-10700

SPACE CABIN SIMULATOR AND TESTING OF INTEGRATED
LIFE-SUPPORT SYSTEMS WITH CREW

ASME PAPER 65-AV-19

A65-25030

MANNED SPACE CABIN SIMULATOR FOR TESTS TO EVALUATE
ADVANCED LIFE SUPPORT SYSTEMS OPERATION AND
MAINTENANCE

AIAA PAPER 65-502

A65-30218

ATMOSPHERIC GAS SUPPLY FOR MANNED SPACE CABIN
SIMULATOR CONTROLLED, USING BREADBOARD SYSTEM

A65-34477

REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM
DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM
FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM

A65-34478

BACTERIOLOGICAL MEASUREMENTS IN TWO-MAN SPACECRAFT
CABIN SIMULATOR

N65-14455

LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING
WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL
SIMULATION

SM-47691

N65-17977

AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE
FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE
CABIN SIMULATOR, AND DYNAMIC RESPONSE

AD-612636

N65-25895

SPACE CAPSULE

SA SPACECRAFT

BIUINSTRUMENTATION FOR PLANETARY LANDING SPACE
CAPSULE

N65-16609

SPACE COMMUNICATION

DEEP SPACE VOICE COMMUNICATION SYSTEM USING EAR-
BRAIN ANALOG

A65-17486

SPACE ENVIRONMENT

SA EXTRATERRESTRIAL ENVIRONMENT

TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN
ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963

A65-10483

INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT
CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN
REDUCED TRACTION ENVIRONMENT A65-10535

ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733

INSTRUMENTATION FOR EVALUATING ANIMAL RESPONSE TO
STIMULI IN SPACE ENVIRONMENT BY OPERANT
CONDITIONING METHOD A65-10734

CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED
GRAVITATIONAL ENVIRONMENT OF MOON A65-10763

PHYSIOLOGICAL RESPONSES OF MAN TO SPACE
ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO
SUPPORT LIFE A65-12343

TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE
ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET
AND BALLOON STUDIES A65-23840

ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR
AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE
CONDITIONS A65-29945

BOOK ON VISUAL CAPABILITIES IN SPACE ENVIRONMENT
INCLUDING ASTRONAUTS AND COSMONAUTS EXPERIENCES,
SPACE CABIN ATMOSPHERE INFLUENCE, VISUAL DISPLAYS
FOR SPACE SYSTEMS, ETC A65-35480

STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD
HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF
PROJECTED STAR FIELD FOR SPACE ENVIRONMENT
SIMULATION A65-35493

VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO
SPACE FLIGHT RESEARCH A65-81307

HUMAN REACTIONS IN PRESSURIZED CABIN IN SIMULATED
SPACE ENVIRONMENT AND IN ARTIFICIAL ATMOSPHERE
DURING PROLONGED SPACE FLIGHT
JPRS-27286 N65-10035

LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR
AEROSPACE ENVIRONMENT
AMRL-MEMO-M-57 N65-11277

EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681

SOVIET BIOSCIENCE IN SPACE - BIOASTRONAUTICS
AMD-TR-64-16 N65-15269

GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE
FLIGHT
NASA-CR-56358 N65-16433

HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR
SPACE OPERATIONS N65-16613

NUTRITION IN SPACE ENVIRONMENT - CONFERENCE
NASA-SP-70 N65-18566

BIOREGENERATIVE LIFE SUPPORT SYSTEMS, METABOLISM,
AND SPACE ENVIRONMENTAL FACTORS
N65-18570

WATER GENERATION IN SPACE ENVIRONMENT - LUNAR
EXPLORATION N65-18582

NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601

DYNAMIC MODEL TECHNIQUE FOR ANALYSIS OF HUMAN
TOLERANCE TO ACCELERATION
NASA-TN-D-2645 N65-19903

SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS
OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981

SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF
PLANTS FOR USE IN BIOSATELLITE
NASA-CR-62707 N65-23742

RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE
ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT
N65-23997

SPACE ENVIRONMENT SIMULATION OF VACUUM
DECOMPRESSION TO DETERMINE SURVIVAL AND
AND RECOVERY PROBABILITY - ANIMAL STUDY
NASA-TM-X-51669 N65-24039

BIOLOGICAL EFFECTS OF SPACE TRAVEL AND ENVIRONMENT
N65-26228

ECOPHYSIOLOGY - BIOLOGICAL RESPONSE TO SPACE
ENVIRONMENT AND TRAVEL N65-26229

CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN
SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE
OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS,
AND MAN-MACHINE SYSTEM RELIABILITY
N65-27419

SPACE RELATED BIOLOGY INCLUDING EXTRATERRESTRIAL
ENVIRONMENT STUDIES - ANNUAL REPORT, JUNE 1965
NASA-CR-64060 N65-29773

HUMAN PERFORMANCE IN SIMULATED SPACE FLIGHT
ENVIRONMENT
NASA-TT-F-355 N65-30730

HEART RATE MONITORING AND ANALYSIS DURING SPACE
ENVIRONMENT SIMULATION
SAM-TR-65-26 N65-31620

PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON
LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS
JPRS-31954 N65-33071

PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER
WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS
IN ORBITAL FLIGHT
NASA-TT-F-9593 N65-36752

SPACE EXPLORATION SA LUNAR EXPLORATION

FIFTH INTERNATIONAL SPACE SCIENCE SYMPOSIUM ON
LIFE SCIENCES AND SPACE RESEARCH AT FLORENCE IN
MAY 1964 A65-30671

RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS A65-30674

OPTICAL ACTIVITY IN UV REGION OF SPECTRUM
DEVELOPED, USING OPTICAL ROTATION TO DETECT
EXTRATERRESTRIAL LIFE A65-30678

LUNAR MISSIONS AND EXPLORATION - TECHNICAL AND
ENVIRONMENTAL ASPECTS A65-80529

ULTIMATE GOALS FOR MANNED SPACE EXPLORATION
A65-81638

PROPOSED BIOLOGICAL EXPLORATION OF MARS BETWEEN
1969 AND 1973 A65-81683

EXTRATERRESTRIAL LIFE, ULTRA-INTELLIGENT MACHINES
AND SPACE EXPLORATION A65-82208

BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND
PLANT RESEARCH FOR SPACE EXPLORATION
AD-450818 N65-16601

HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED
SPACE EXPLORATION N65-18567

WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM -
SPACE EXPLORATION N65-18568

SPACE FLIGHT SA SUBORBITAL FLIGHT

ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946

COMPARISON BETWEEN U.S. AND U.S.S.R. LIFE
SUPPORT SYSTEMS USED IN SPACE FLIGHTS NOTING

- PHYSICAL LAYOUT, RADIATION SHIELDING, GROUND
SIMULATION, DIETARY CHANGES, ETC
A65-34475
- HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING
HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY,
WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL
PROBLEMS, ETC
A65-35148
- VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT
ON HUMAN VISUAL CAPABILITIES
A65-35496
- TELEMETRIC DEVICES FOR STUDY AND CONTROL OF
PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET
SPACE MISSIONS
A65-80333
- MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963
A65-80856
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS
A65-80979
- REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT
JPRS-27591
N65-10989
- ANABiotic LIFE PROCESSES APPLIED TO EXTENDED SPACE
FLIGHTS
JPRS-27540
N65-11264
- SURVEY ON HUMAN VISUAL CAPABILITIES IN SPACE
FLIGHT
AD-606802
N65-11484
- ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE
FLIGHT AND SUBMARINE MEDICINE
JPRS-27767
N65-13417
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT
N65-13632
- EFFECT OF LIMITED MOBILITY ON BODY DURING SPACE
FLIGHT - MOTOR BEHAVIOR, MENTAL STATE, PHYSICAL
FUNCTIONS, AND WEIGHTLESSNESS
N65-13663
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- VALUE OF PHYSICAL FITNESS IN PRESERVING MENTAL,
MOTOR, AND AUTONOMIC STABILITY IN PREPARATION
AND EXECUTION OF EXTENDED SPACE FLIGHTS
N65-13714
- CHANGES IN LYMPH NODES OF DOGS FOLLOWING SPACE
FLIGHT
N65-13735
- RHYTHM OF PHYSIOLOGICAL FUNCTIONS IN LIMITED
MOBILITY DURING SPACE FLIGHT
N65-13742
- METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT
N65-13765
- SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT
N65-13780
- BIOLOGICAL SERIES IN DYNAMICS OF BLOOD CIRCULATION
AND EMOTIONAL STRESS ON COSMONAUTS DURING SPACE
FLIGHTS
FTD-TT-64-534/18264
N65-14526
- EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528
- BIOLOGICAL TESTS ON VOSKHOD AND VOSTOK
SPACECRAFT DURING SPACE FLIGHT
N65-14600
- BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157
N65-14606
- SPACE FLIGHT PHYSIOLOGY, PSYCHOLOGY, AND
- PERSONAL HYGIENE
JPRS-28183
N65-15171
- GROUP SPACE FLIGHT PSYCHOLOGY
N65-15172
- VISUAL FUNCTION AND ACUITY IN SPACE FLIGHT
JPRS-28646
N65-15867
- CULTURE MEDIUM FOR SURVIVAL AND REPRODUCTION OF
DAPHNIA WATER FLEA IN SEVEN DAY SPACE FLIGHT
NASA-CR-56112
N65-17053
- CONTRIBUTION OF LABORERS, ENGINEERS, TECHNICIANS,
AND SCIENTISTS TO SPACE FLIGHT TECHNOLOGY AND
MEDICINE
FTD-TT-64-920/182
N65-20018
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434
N65-21237
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489
- SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS
N65-24490
- AUTOSUGGESTION EXPERIMENTS, AND EFFECTS OF
WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE
FLIGHT
JPRS-30083
N65-24736
- EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND
AFTER SPACE FLIGHT
N65-24737
- EFFECTS OF WEIGHTLESSNESS AND OTHER STRESSES IN
SPACE FLIGHT ON PATHOGENICITY AND IMMUNITY
NASA-CR-63282
N65-26065
- PHYSIOLOGICAL RESPONSE TO SPACE FLIGHT - PARABOLIC
FLIGHT, CARDIOVASCULAR DIURNAL RHYTHM, EYE
ACTIVITY, AND EFFECTS OF ANGULAR AND CORIOLIS
ACCELERATION
JPRS-30859
N65-26917
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS
DURING SPACE FLIGHT
N65-26919
- PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY
DURING ORBITAL SPACE FLIGHT
N65-26920
- PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN
CENTRIFUGE
JPRS-30817
N65-26960
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
JPRS-30849
N65-27032
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425
N65-27711
- CONFERENCE ON OBSERVATION BY ASTRONAUTS UNDER
SPACE FLIGHT CONDITIONS
FTD-TT-65-1/1
N65-28118
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360
N65-28642
- MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING
ASTRONAUT SELECTION AND TRAINING, RESULTS OF
LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND
BIOMEDICAL PLANNING FOR SPACE FLIGHTS
NASA-SP-4003
N65-32394
- SIMULATOR TRAINING FOR MOTION SICKNESS
SUPPRESSION IN PROLONGED SPACE FLIGHT
NASA-CR-64639
N65-33256
- RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY
FRACTIONAL CELL LETHALITY APPROACH
N65-34603
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF

- ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
PHYSIOLOGICAL PROCESSES IN GERMINATION AND
SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS
N65-34942
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC
BACTERIA ESCHERICHIA COLI K-12 - PHAGE
PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE
TO IONIZING RADIATION
N65-34943
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS
N65-34944
- DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER
SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE
CYBERNETICS
NASA-TT-F-9588
N65-35783
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE
DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION
PROBLEMS
NASA-TT-F-9590
N65-35784
- PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS
UNDER SPACE FLIGHT CONDITIONS
NASA-TT-F-9597
N65-36756
- SPACE FLIGHT FEEDING
SA DIET
- LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- ASTRONAUT FEEDING IN SPACE FLIGHTS, FREEZE-
DEHYDRATED AND BITE-SIZE READY-TO-EAT FOOD,
STORAGE AND CONTAINER HANDLING PROBLEMS
A65-18837
- DEVELOPMENT OF DEHYDRATED MEAT AND FISH SALADS FOR
MILITARY AND SPACE USE
A65-81556
- ZERO GRAVITY FOOD PELLET DISPENSER FOR PRIMATES
IN LONG-TERM SPACE FLIGHT
ARL-TR-64-15
N65-11415
- FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569
- HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED
SPACE FLIGHTS
N65-18576
- DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION
N65-18583
- ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION
N65-18592
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697
N65-21473
- SPACE FLIGHT STRESS
SA MANNED SPACE FLIGHT
- GEMINI MEDICAL EXPERIMENTS FOR DETERMINING
WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED
SPACEFLIGHT
A65-10639
- HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET
SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT
TO SPACE FLIGHT
A65-14808
- INTERNATIONAL RESEARCH ON ANIMAL ROLE AS PRECURSOR
FOR MAN IN SPACE
A65-14809
- WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
- DECONDITIONING AND ACCLIMATIZATION SYNDROMES
INDUCED BY PROLONGED HYPOXIA
A65-18427
- BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN
LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT
A65-21025
- PROLONGED BED REST USED TO SIMULATE PHYSIOLOGICAL
EFFECTS OF PROLONGED SPACE FLIGHT FOR DETERMINING
DECONDITIONING REQUIREMENTS
AIAA PAPER 65-281
A65-22169
- SPACE FLIGHT SIMULATORS FOR SELECTING AND TRAINING
ASTRONAUTS, EMPHASIZING SIMULATION OF VARIOUS
SITUATIONAL STRESSORS
A65-23460
- SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097
- PHYSICAL, PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIAL
HABITABILITY PROBLEMS OF PROLONGED SPACE MISSIONS
A65-26740
- VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS,
SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN
NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE
DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS
A65-26773
- PSYCHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SENSORY
DEPRIVATION, PARTICULARLY FOR SPACE TRAVEL
A65-29100
- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE
A65-30672
- HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP
ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED
MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION
COUNTERACTED BY VARIOUS DRUGS
A65-33279
- SPACE RADIATION, WEIGHTLESSNESS AND ANGULAR
VELOCITY EFFECTS ON HUMAN BEINGS, NOTING TERMINAL
PHASE CONDITIONS
A65-33280
- PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF
OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS
OF LABORATORY /CENTRIFUGE/ TESTS
A65-34947
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS
A65-35816
- VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON
VARIATION IN NUMBER OF CELLS WITH CHROMOSOME
ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS
A65-35817
- VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS
A65-35818
- BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE
FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND
SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC
BACTERIA
A65-35819
- AEROSPACE MEDICINE - RELATION TO JOB REQUIREMENTS,
SELECTION AND TRAINING OF ASTRONAUTS, AND SPACE
FLIGHT STRESSES
A65-80183
- PSYCHOLOGICAL RESEARCH AREAS EXPLORED IN
SUBORBITAL AND ORBITAL FLIGHTS BETWEEN APRIL
1961 AND JUNE 1963
A65-80450
- INSTRUMENTATION FOR BIOMEDICAL TESTS USEFUL TO AIR
FORCE MANNED ORBITING LABORATORY PROGRAM IN
MEASURING SPACE FLIGHT STRESSES
A65-80549
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS
A65-80923
- ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL

SPACE FOOD

BODIES AND STRESSES ENCOUNTERED BY MAN DURING SPACE TRAVEL A65-80949

RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD PRESSURE, ELECTROCARDIOGRAM, AND ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS A65-81283

PSYCHOLOGY OF MOON FLIGHT - HUMAN TOLERANCE TO SPACE FLIGHT STRESS AND LIFE SUPPORT SYSTEMS A65-81611

HUMAN ENGINEERING - EFFECT OF VARIATIONS IN GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM UNDER SPACE FLIGHT STRESSES N65-22723

SPACE FOOD

ASTRONAUT FEEDING IN SPACE FLIGHTS, FREEZE-DEHYDRATED AND BITE-SIZE READY-TO-EAT FOOD, STORAGE AND CONTAINER HANDLING PROBLEMS A65-18837

SPACE LABORATORY

BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE LABORATORY ARL-TR-64-17 N65-17750

SPACE LOGISTICS

OPTIMIZATION LOGISTICS PLANNING FOR IN FLIGHT PHYSIOLOGICAL EXPERIMENTS DURING MANNED SPACE FLIGHT A65-10540

LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS AND VARIABLE EXPENDABLES, CONSIDERING WORKER OUTPUT CHARACTERISTICS A65-14230

SPACE MAINTENANCE

SA ORBITAL WORKER

PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR ORBITAL MAINTENANCE AND TASK PERFORMANCE IN SIMULATED SPACE ENVIRONMENT A65-19842

HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF ORBITING SPACE STATIONS IN EXTRATERRESTRIAL ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION AMRL-TR-64-98 N65-23082

SPACE MISSION

LIFE SUPPORT SYSTEM REQUIREMENTS FOR MANNED SPACE MISSIONS PRESENTING SYNTHETIC CLOSED ECOLOGICAL SYSTEM A65-31672

SPACE NAVIGATION

SA ASTRONAUTICS

NAVIGATION AND CONTROL SIMULATION PORTION OF OVERALL MANNED SPACE CABIN TEST PROGRAM AIAA PAPER 65-277 A65-22167

SPACE ORIENTATION

TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND BODY-ORIENTED CONTROL TASKS A65-80708

BIOLOGICAL CONTROL SYSTEMS - VESTIBULAR EFFECT ON SPACE ORIENTATION OF MAN NASA-CR-59441 N65-10363

HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL THEORY TECHNIQUES - HUMAN ENGINEERING NASA-CR-57292 N65-19689

MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE CONTROL NASA-CR-64545 N65-32033

SPACE PROBE

STERILIZATION OF SPACE PROBES USING DRY HEAT NASA-CR-60875 N65-17509

SPACE PROGRAM

SA NASA PROGRAM

SA U.S.S.R. SPACE PROGRAM

ROLE OF ANTHROPOLOGIST IN HUMAN FACTOR ENGINEERING AS RELATED TO SPACE PROGRAM A65-82007

SUBJECT INDEX

IMPORTANCE OF ANTHROPOLOGY IN AEROSPACE AREA OF FEDERAL RESEARCH. A65-82009

OCCUPATIONAL HEALTH PROGRAM FOR SPACE OPERATION AT MERRIT ISLAND LAUNCH AREA AT CAPE KENNEDY A65-82197

SPACE RADIATION

SA GAMMA RADIATION

SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE FLIGHTS A65-12081

SPACE RADIOBIOLOGY TRAINING AND OPERATIONS TO MINIMIZE ASTRONAUT RADIATION DOSE A65-14832

AEROSPACE MEDICINE REPORT ON RADIATION BIOLOGY AND SPACE ENVIRONMENTAL PARAMETERS IN MANNED SPACECRAFT DESIGN AND OPERATIONS A65-18633

RADIATION HAZARDS AND PROTECTION DURING PROLONGED SPACE FLIGHTS A65-29943

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE RADIATION ON HIBERNATORS NASA-CR-50546 N65-17058

PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE AND SPACE RADIATION HAZARDS JPRS-29656 N65-21804

RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS NASA-TT-F-9429 N65-27715

SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE LIMITS FOR CREW PROTECTION N65-34591

SPACE RADIATION EFFECTS ON APOLLO MISSION - SHIELDING ANALYSIS N65-34592

SPACE RADIATION EFFECTS ON APOLLO MISSION - ENVIRONMENTAL ANALYSIS N65-34593

SPACE RADIATION EFFECTS ON APOLLO MISSION - OPERATIONAL PROCEDURES FOR DOSE REDUCTION N65-34594

APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO SPACE RADIATION - HIGH ENERGY PROTONS N65-34607

IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT - LIFE SUPPORT SYSTEMS N65-34620

SPACE RADIATION SHIELDING CODE FOR SPACECRAFT GEOMETRY N65-34634

SPACE RENDEZVOUS MANEUVER

TERMINAL PHASE SPACE RENDEZVOUS CONTROL-DISPLAY OPTIMIZATION EXPERIMENTS LMSC-6-62-64-15 N65-12230

COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE SPACE RENDEZVOUS MANEUVERS, USING DIRECT VISUAL CUES AMRL-TR-65-10 N65-35632

SPACE SCIENCE

AVIATION MEDICINE - SPACE SCIENCE JPRS-27883 N65-12931

COSMIC PHYSIOLOGY AND ORGANIZATION OF EXPERIMENTS IN FLIGHT OF MAN INTO COSMOS N65-13726

BIOSCIENCE EXPERIMENTS IN SPACE AND-TR-64-10 N65-15262

NEW FRONTIERS OF SPACE MEDICINE AND SCIENCE JPRS-29456 N65-20831

BIOLOGICAL STUDIES FOR SPACE SCIENCE - EXO BIOLOGY, ENVIRONMENTAL BIOLOGY, HUMAN PHYSICAL AND PSYCHOLOGICAL FACTORS N65-24915

SPACE SELF-MANEUVERING UNIT /SMU/

APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING

SUBJECT INDEX

SPACE SURVEILLANCE SYSTEM

PRESSURE SUIT FOR LUNAR SURFACE USE
 NYAS PAPER TP 65-01 A65-17201

SPACE SIMULATION
 SA ENVIRONMENT SIMULATION

SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE
 FOR SPACE FLIGHT A65-29103

NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
 STRESS OF SPACE ENVIRONMENT N65-18601

HUMAN PERFORMANCE IN SIMULATED SPACE FLIGHT
 ENVIRONMENT
 NASA-TT-F-355 N65-30730

HUMAN VISION AND DEPTH PERCEPTION AGAINST
 SIMULATED SPACE BACKGROUND
 NASA-TN-D-2845 N65-34500

SPACE SIMULATOR
 SIMULATION OF ACCELERATION STRESS ENCOUNTERED IN
 MANNED SPACECRAFT DURING LAUNCH, RECOVERY AND
 ABORT MANEUVERS A65-10723

SPACE FLIGHT SIMULATORS FOR SELECTING AND TRAINING
 ASTRONAUTS, EMPHASIZING SIMULATION OF VARIOUS
 SITUATIONAL STRESSORS A65-23460

INSTRUMENTATION OF TEMPERATURE AND PRESSURE
 CONTROL OF SPACE SUIT AND SIMULATOR CABIN FOR
 ASTRONAUT TRAINING IN SPACE MISSION SIMULATORS
 A65-27927

LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING
 WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL
 SIMULATION
 SM-47691 N65-17977

SPACE STATION
 SA MANNED ORBITAL LABORATORY /MOL/
 SA MANNED ORBITAL RESEARCH LABORATORY /MORL/
 SA ORBITAL SPACE STATION

PROGRAM OF VISUAL EXPERIMENTS FOR ORBITAL RESEARCH
 LABORATORIES INCLUDING GEMINI AND APOLLO TEST
 SCHEDULE FOR EVALUATION OF HUMAN VISION IN SPACE
 A65-35495

EQUILIBRIUM AND WALKING CHANGES OBSERVED IN
 REVOLVING SPACE STATION SIMULATOR
 A65-80947

SPACE SUIT
 SA PRESSURIZED SUIT

LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
 BALANCING DURING LUNAR EXPLORATION
 A65-10693

MONITORING TECHNIQUES FOR DETERMINING
 PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS
 ON HUMAN PERFORMANCE A65-10694

SPACE SUIT DESIGN FOR THERMAL ENVIRONMENT CONTROL
 DURING EXTRAVEHICULAR TASKS A65-10695

VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE
 SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES
 FROM MANNED CHAMBER TESTING A65-10831

DEVELOPMENT OF PRESSURE SUIT FROM HALDANE TO
 EXTRAVEHICULAR SPACE SUIT, NOTING SUPPORT
 EQUIPMENT AND ADVANCED CONCEPTS
 A65-12546

FEASIBILITY OF WEARABLE EXOSKELETAL STRUCTURE FOR
 STUDYING MOTION AND PERFORMANCE OF WEARER AT WORK
 TASKS
 ASME PAPER 64-WA/HUF-3 A65-13421

MOON SUIT DESCRIBING COOLING SYSTEM, MATERIAL AND
 LIFE SUPPORT BACKPACK A65-15100

THREE-MAN SPACESUIT VENTILATOR CONSISTING OF HEAT
 EXCHANGER AND HERMETIC COMPRESSOR
 A65-15605

GEMINI SUIT TESTING BY ARTICULATED DUMMY IN SPACE

ENVIRONMENT SIMULATOR A65-17191

APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING
 PRESSURE SUIT FOR LUNAR SURFACE USE
 NYAS PAPER TP 65-01 A65-17201

APOLLO MISSION SPACE SUIT DESIGN CHARACTERISTICS
 A65-17293

THERMAL EQUILIBRIUM OF APOLLO MISSION
 EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING
 GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT
 A65-23618

APOLLO SPACE SUIT DESIGN INCLUDING PERSONAL
 LIQUID COOLING FOR CONDITIONING AND REPLENISHING
 ATMOSPHERE INSIDE SPACE SUIT
 ASME PAPER 65-AV-45 A65-24390

APOLLO SUIT SUBSTANTIALLY REDESIGNED
 A65-81160

GT-4 CREW EXTRAVEHICULAR ACTIVITY SPACESUIT
 A65-81162

THERMAL MANIKIN FOR SIMULATION OF ASTRONAUT
 THERMOREGULATION SYSTEM AND SPACE SUIT DESIGN
 A65-81388

LUNAR EXPLORATION SPACE SUIT DESIGN FOR
 EXTRAVEHICULAR OPERATION A65-81392

SPACE SUIT DESIGN FOR EXTRAVEHICULAR OPERATION
 A65-81403

EXTRAVEHICULAR ACTIVITY AND SPACE SUIT DESIGN OF
 SOVIET SPACE FLIGHT IN VOSKHOD II
 A65-81704

DEVELOPMENT OF SOVIET FLIGHTSUIT AND SPACESUIT
 A65-81959

INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
 AND INERTIA MOMENTS OF HUMAN BODY
 NA-64-527 N65-15788

PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE
 FLIGHT
 NASA-TT-F-9257 N65-18180

SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN
 FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE
 CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS,
 SIMULATED SPACE FLIGHT, AND COMMUNICATIONS
 ATD-P-65-11 N65-20926

HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN
 SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED
 SUITS
 NASA-CR-216 N65-23171

MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY,
 AND SPACE SUITS - U.S.S.R. SPACE PROGRAM
 JPRS-29998 N65-23777

PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON
 BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY
 SUBJECT - HUMAN ENGINEERING
 AMRL-TR-64-126 N65-24360

ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
 TRANSFER IN SPACE SUIT
 NASA-CR-63144 N65-25269

INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR
 BODY TEMPERATURE CONTROL
 NASA-CR-63399 N65-26418

ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL
 FLIGHT SUIT FOR PROTECTION FROM COLD DURING
 IMMERSION IN WATER
 TAC-TR-63-31/D/ N65-27567

SPACE SURVEILLANCE SYSTEM
 VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
 INTERPRETATION OF TARGETS ON REMOTE SENSOR
 DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
 N65-33554

SPACE SYSTEMS ENGINEERING

CREW PERFORMANCE INTEGRATION INTO OPTIMUM-
RELIABILITY DESIGN OF MANNED SPACE STATION
A65-22704

CYBERNETICS OF HUMAN FACTORS IN SPACE SYSTEMS
ENGINEERING
NASA-TM-X-51735 N65-22190

SPACE-TIME FUNCTION

EVALUATION OF GENERAL PHYSICAL CONDITION OF
GEMINI IV FLIGHT CREW WITH INCREASING TIME
UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF
CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD
N65-36104

SPACE VEHICLE

SA EXTRAVEHICULAR OPERATION
SA SATELLITE

HUMAN BEHAVIOR IN SPACE VEHICLE
JPRS-27880 N65-12875

FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15615

LIQUID WASTES AND WATER POTABILITY IN SPACE
VEHICLES N65-18590

APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT
MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT
VEHICLE
NASA-CR-61079 N65-29966

VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE
VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598

REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517

SPACE VEHICLE CHECKOUT PROGRAM

MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN
AUTOMATIC CHECKOUT OF SPACE VEHICLES
NASA-CR-67371 N65-35577

SPACE VEHICLE CONTROL

SPACE VEHICLE MANUAL THREE-AXIS ATTITUDE CONTROL
USING VECTOR RETICLE OR CONTROL ACTION DISPLAY
A65-20953

SPACECRAFT

SA APOLLO SPACECRAFT
SA GEMINI SPACECRAFT
SA INTERPLANETARY SPACECRAFT
SA MANNED SPACECRAFT
SA MARS SPACECRAFT
SA MILITARY SPACECRAFT
SA RECONNAISSANCE SPACECRAFT
SA REENTRY VEHICLE
SA SATELLITE
SA UNMANNED SPACECRAFT

VISUAL OBSERVATION BY PILOTS OF AMERICAN AND
SOVIET SPACECRAFT A65-35482

ROTARY TRACKING OF TARGET AND LIGHT IN SPACE
STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND
12.0 RPM A65-80894

INTEGRATION AND MECHANICS OF WASTE COLLECTION AND
PROCESSES FOR SPACECRAFT LIFE SUPPORT SYSTEM
N65-18589

SPACECRAFT CONSTRUCTION MATERIAL

SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN
PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS
A65-22752

SPACECRAFT CONTAMINATION

CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS
CONSIDERING DATA TRANSMISSION LIMITATION, LOW
SCIENTIFIC PAYLOAD, LANDING IMPACT AND
CONTAMINATION A65-10729

ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628

MICROBIAL CONTAMINANTS EVALUATION FOR STERILITY IN
INTERIORS OF SPACECRAFT, NOTING CULTURING
TECHNIQUE A65-25418

PREVENTION OF BIOLOGICAL CONTAMINATION ON
EXTRATERRESTRIAL BODIES A65-30675

COMPATIBILITY OF STERILIZATION AND CONTAMINATION
CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY,
EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL
PARTICLES UNDER PRESENT CLEAN ROOM AND WORK
STATION CONDITIONS A65-35114

DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP
STERILIZATION SYSTEM IN TREATMENT OF COMPONENT
CONTAMINATION OF SPACECRAFT
NASA-CR-191 N65-18205

TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS
LR-17744 N65-20120

SPACECRAFT CONTROL

NAVIGATION AND CONTROL SIMULATION PORTION OF
OVERALL MANNED SPACE CABIN TEST PROGRAM
AIAA PAPER 65-277 A65-22167

RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT
CONTROL SYSTEM A65-29944

HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714

SPACECRAFT DESIGN

AEROSPACE MEDICINE REPORT ON RADIATION BIOLOGY
AND SPACE ENVIRONMENTAL PARAMETERS IN MANNED
SPACECRAFT DESIGN AND OPERATIONS
A65-18633

DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT
SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL
CHEMICAL PROCESSES FOR SUSTAINING CREW DURING
SPACE FLIGHT SIMULATION
ASME PAPER 65-AV-25 A65-24391

BELIAEV DESCRIPTION OF 17-ORBIT FLIGHT OF VOSKHOD
II INCLUDING SPACECRAFT DESIGN AND CONTROL, LIFE
SUPPORT SYSTEM AND WALK-IN-SPACE
A65-35254

MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN
A65-80137

RADIATION SAFETY INFORMATION FOR USE IN
ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE
SYSTEMS A65-80633

SPACECRAFT, MISSIONS AND INSTRUMENTATION FOR SPACE
PROBES AND INTERPLANETARY EXPLORATION
A65-82064

SPACECRAFT DOCKING

S DOCKING

SPACECRAFT ELECTRONIC EQUIPMENT

CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION
SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON
TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE
FLIGHT SIMULATORS A65-23199

SPACECRAFT ENVIRONMENT

SA CLOSED ECOLOGICAL SYSTEM

BIOINSTRUMENTATION AND MONITORING SYSTEM FOR
ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL
STRESS A65-10677

OXYGEN RECOVERY FROM METABOLIC CARBON DIOXIDE FOR
SPACECRAFT ENVIRONMENT A65-10686

LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS
IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP
TO ONE YEAR A65-11642

- ENVIRONMENTAL CONTROL SYSTEM INTEGRATION FOR
MANNED SPACE STATION
SAE PAPER 912C A65-12909
- SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF
ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE
MATERIAL A65-14806
- MANNED ORBITAL AND LUNAR BASE HABITABILITY
REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION,
HYGIENE, GRAVITATION AND WORK-REST CYCLE A65-23642
- SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER
RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND
REMOVAL OF HUMAN WASTES A65-23920
- STORABLE PROPELLANT UTILIZATION EXTENDED TO
INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL
AND WATER AND POWER PRODUCTION
AIAA PAPER 64-213 A65-24446
- PHYSICAL, PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIAL
HABITABILITY PROBLEMS OF PROLONGED SPACE MISSIONS
A65-26740
- WETTING AND NONWETTING SURFACES TO CONTROL WATER
AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G
ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE
COLLECTION, DISTILLATION AND MANAGEMENT OF WATER
AND OXYGEN SUPPLIES A65-28630
- SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE
FOR SPACE FLIGHT A65-29103
- PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE
SUPPORT SYSTEMS OF VOSTOK AND VOSKHOD SPACE
SHIPS A65-29942
- LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR
MANNED SPACECRAFT A65-35487
- SPACE CABIN ATMOSPHERE CONTAMINANTS EFFECT,
PARTICULARLY OZONE, ON VISUAL PERCEPTION A65-35488
- REGENERATION OF OXYGEN AND GAS EXCHANGE SYSTEMS
FOR SPACECRAFT A65-81793
- REACTION OF HUMAN PERFORMANCE TO COMPLEX
ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT
CABIN
NASA-TT-F-273 N65-11874
- USE OF ENZYME, CARBONIC ANHYDRASE, FOR CARBON
DIOXIDE CONTROL IN SPACECRAFT
QTR-1 N65-26316
- FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL
CONTROL SYSTEM
STL-9990-6397-RU-Q00 N65-27158
- HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER
OF HUMAN TO DETERMINE THRESHOLD VALUE FOR
LIFE-SUPPORT NOISE IN MANNED SPACECRAFT
NASA-TT-F-9596 N65-36755
- SPACECRAFT INSTRUMENTATION**
MANNED SPACEFLIGHT ANALYTICAL INSTRUMENTATION USES
DESIGN TRADEOFF OF REDUCTION IN SIZE WITH LOSS OF
VERSATILITY
AICE PREPRINT 54E A65-15227
- SPACECRAFT ORBIT**
TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN
ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963
A65-10483
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER
WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS
IN ORBITAL FLIGHT
NASA-TT-F-9593 N65-36752
- SPACECRAFT PROPULSION**
SAFETY HAZARDS USING NUCLEAR POWER FOR SPACE
VEHICLES A65-80527
- SPACECRAFT REENTRY**
GEMINI PROGRAM - ADVANCES IN OPERATIONAL
- CAPABILITY DURING FLIGHT, RENDEZVOUS,
EXTRAVEHICULAR OPERATIONS AND REENTRY A65-81280
- SPACECRAFT RELIABILITY**
MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF
AIRCRAFT AND SPACECRAFT SYSTEMS A65-14364
- CREW PERFORMANCE INTEGRATION INTO OPTIMUM-
RELIABILITY DESIGN OF MANNED SPACE STATION A65-22704
- MARSHALL SPACE FLIGHT CENTER PROGRAM TO UPGRADE
SPACE VEHICLE RELIABILITY BY MOTIVATING PERSONNEL
TO REDUCE MISTAKES AND MALFUNCTION OF EQUIPMENT
A65-31574
- SPACECRAFT RENDEZVOUS**
VISUAL OBSERVATION BY ASTRONAUT OF ANOTHER SPACE
VEHICLE FOR SPACECRAFT RENDEZVOUS PURPOSES A65-35483
- VISUAL CAPABILITIES IN ACQUISITION, HOMING AND
DOCKING PHASES OF SPACECRAFT RENDEZVOUS A65-35491
- GEMINI PROGRAM - ADVANCES IN OPERATIONAL
CAPABILITY DURING FLIGHT, RENDEZVOUS,
EXTRAVEHICULAR OPERATIONS AND REENTRY A65-81280
- PHYSIOLOGICAL RESPONSES DURING FIRST SOVIET
SPACECRAFT RENDEZVOUS IN FLIGHT A65-81301
- SPACECRAFT STERILIZATION**
LEVEL OF SPACECRAFT STERILITY REQUIRED TO AVOID
BIOLOGICAL CONTAMINATION OF MARS A65-24224
- MICROBIAL CONTAMINANTS EVALUATION FOR STERILITY IN
INTERIORS OF SPACECRAFT, NOTING CULTURING
TECHNIQUE A65-25418
- STERILIZATION PROCEDURES FOR PLANETARY SPACECRAFT
PROBES ENSURING CLEAN COMPONENT MANUFACTURE AND
HARDWARE ASSEMBLY A65-25914
- SPACECRAFT STERILIZATION, DISCUSSING ENGINEERING
AND HEAT TRANSFER PROBLEMS IN ACHIEVING
STERILIZATION TEMPERATURE OF ENTRY AND LANDING
VEHICLES
AIAA PAPER 65-427 A65-29377
- MAINTAINING ENVIRONMENTAL CONTROL REQUIREMENTS FOR
FABRICATION AND ASSEMBLY OF STERILE SPACE VEHICLES
A65-30032
- STERILIZATION CONTAINER DESIGN FOR HARD AND SOFT
PLANETARY LANDERS
AIAA PAPER 65-387 A65-30207
- SPACECRAFT STERILIZATION CONSIDERATION IN DESIGN
OF MANNED INTERPLANETARY SPACE VEHICLES
AIAA PAPER 65-503 A65-30214
- COMPATIBILITY OF STERILIZATION AND CONTAMINATION
CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY,
EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL
PARTICLES UNDER PRESENT CLEAN ROOM AND WORK
STATION CONDITIONS A65-35114
- SPACECREW**
SPACECREW PHYSICAL EXERCISE REQUIREMENT EFFECTS ON
SYSTEM DESIGN AND MISSION SUCCESS A65-21208
- APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND
SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS
MERCURY AND GEMINI
AIAA PAPER 65-274 A65-22105
- SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS
FUNCTION OF MAINTAINING SPACE CREW PHYSICAL
FITNESS A65-81966
- SELECTION OF COMPATIBLE CREW FOR INTERPLANETARY
SPACE FLIGHT - PSYCHOLOGY

SPARK CHAMBER

SUBJECT INDEX

- JPRS-29217 N65-19540
- ARTIFICIAL GRAVITY AND MENTAL EXERCISE FOR CREW ON LONG DURATION SPACE FLIGHT
JPRS-29211 N65-20095
- CLINICAL ASPECTS OF MEDICAL PROGRAM FOR INTERPLANETARY FLIGHT WITH PHYSICIAN IN SPACECREW N65-23423
- ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING NEAR OR ON GROUND N65-28452
- TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524
- SPARK CHAMBER**
AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING CHAMBER A65-80474
- SPARK IGNITION**
IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES IN COMBUSTION-BOMB EXPERIMENTS A65-34083
- SPATIAL DISTRIBUTION**
SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD AND SPATIAL DIRECTION OF STIMULUS OBJECT A65-80735
- INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL ACTIVITY IN SENSORY PERCEPTION A65-82267
- COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL ACTIVITY INCLUDING BACKGROUND EEG AND REACTION TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS N65-28777
- SPATIAL ORIENTATION**
ORIENTATION MECHANISMS IN HUMAN BODY COVERING EYE, NECK, VESTIBULAR APPARATUS, VISCERAL PROPRIOCEPTORS, GRAVITY PRESSURE AND LOCAL RECEPTORS A65-11398
- VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS, SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS A65-26773
- ORIENTATION AND ROTATION OF HUMAN BODY UNDER WEIGHTLESS CONDITIONS IN FREE SPACE A65-29680
- RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY A65-30137
- BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC PERCEPTION OF VERTICALITY A65-80018
- VESTIBULAR FUNCTION - INTERACTION OF SEMICIRCULAR CANAL AND OTOLITH ORGAN FUNCTIONS A65-80040
- APPARENT VERTICALITY- FUNDAMENTAL VARIABLES OF SENSORY-TONIC THEORY REINVESTIGATED A65-80239
- PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS A65-80246
- FIELD DEPENDENCE STABILITY AFTER ROTATION OF BODY AS MEASURED BY ROD AND FRAME TEST A65-80461
- SENSORY PERCEPTION AND SPATIAL ORIENTATION CONCERNING BODY POSTURE IN SEALED CABIN A65-80553
- PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE, SET, SEX, AND FAMILIARITY WITH APPARATUS A65-80626
- LIGHTNESS PERCEPTION RELATED TO PERCEPTION OF
- SPATIAL POSITION A65-80793
- EXTRANEUS STIMULATION EFFECT ON VISUAL PERCEPTION OF VERTICALITY - FAILURE TO REPLICATE A65-80855
- SPATIAL ORIENTATION EFFECT ON POGENDORFF ILLUSION A65-81316
- AUTOKINETIC MOTION AND SPACE LOCALIZATION IN RELATION TO AUDITORY PERCEPTION A65-81318
- COMPARATIVE ANALYSIS OF PROPRIOCEPTION IN LEFT AND RIGHT ARMS A65-81409
- POSTURAL AUTOKINETIC EFFECT RELATED TO SUGGESTION AND SUSCEPTIBILITY TO MOTION SICKNESS A65-81448
- COMMENT ON SELF-INDUCED MOVEMENT AS DETERMINANT OF SPATIAL ADAPTATION A65-81559
- REPETITIVE PSYCHOMETRIC MEASURES BATTERY - ADDITION OF SPATIAL ORIENTATION TEST A65-81628
- EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT ARM MOTIONS DURING COMPENSATION FOR DISPLACED VISION A65-81647
- RELATIONSHIP BETWEEN VERTICAL ORIENTATION IN ROD AND FRAME TEST AND IN COMPENSATION TRACKING TASK A65-81650
- PHENOMENAL VERTICAL AND PERCEPTION OF CHANGE IN SPATIAL ORIENTATION A65-81655
- LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION INFORMATION A65-81728
- INTEROCULAR TRANSFER AND NEGATIVE AFTEREFFECT AFTER PRISM-INDUCED DISTORTION OF VISION A65-81857
- VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT EXAFFERENT STIMULATION A65-81980
- ACCURACY OF ACTIVE AND POSITIVE POSITIONING OF LEG ON BASIS OF KINESTHETIC CUES A65-81992
- ANALYSIS OF VISUAL AND PROPRIOCEPTIVE COMPONENTS OF MOTOR SKILL USING NITROUS OXIDE A65-82112
- SHORT-TERM ADAPTIVE PROCESSES DURING PERCEPTION OF VERTICAL EXPLAINED BY PSYCHOPHYSICAL LINEAR FEEDBACK MODEL A65-82235
- SELECTIVE INTERMANUAL TRANSFER OF ADAPTIVE EFFECTS DURING ADAPTATION TO PRISM A65-82282
- PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI N65-13645
- SPATIAL PERCEPTION**
THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE GRATING A65-32834
- HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING OPERATION RESTRICTED TO BLACK AND WHITE, NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA MODEL A65-35344
- HUMAN SPACE PERCEPTION ANALYSIS SHOWING THAT INTERPRETIVE SCALING OF VISUAL ANGLE IS KEY FACTOR IN SIZE, DISTANCE AND MOTION ESTIMATION A65-35345
- SPATIAL DISCRIMINATION TEST AS TEST OF VISUAL ACUITY A65-82025
- ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH VARIED EFFERENT INPUT A65-82215
- SPECIES DIFFUSION**
STATUS OF INTRODUCED PLANT SPECIES AT NEVADA

- NUCLEAR TEST SITE - ECOLOGY
UCLA-12-554 N65-24228
- SPECTRAL ABSORPTION
S ABSORPTION SPECTRUM
- SPECTRAL ANALYSIS
SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- SPECTRAL ANALYSIS OF BRAIN WAVE GENERATORS AS
MULTIPLE STATISTICAL TIME SERIES A65-21484
- COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS A65-24193
- SPECTRAL ENERGY DISTRIBUTION
SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS
DETERMINED, USING ADDITION CURVES FOR NORMAL
TRICHROMATES A65-30076
- THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH
PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF
COLOR PERCEPTION AD-611401 N65-33479
- SPECTROGRAPHY
SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION
OF RADIATION EFFECTS ON BACTERIOPHAGES N65-24616
- SPECTROMETRY
SA MASS SPECTROMETRY
- USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT
OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL
SPECIMENS A65-81970
- SPECTROPHOTOMETRY
CHANGES OF SERUM GLUTAMIC OXALOACETIC TRANSAMINASE
ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
IN SUBJECTS WITH AND WITHOUT HEART DISEASE A65-80577
- SPECTROPHOTOMETRY TO DETECT CATARACTS IN HUMAN EYE
CAUSED BY MICROWAVE RADIATION RADG-TDR-64-273 N65-14007
- SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE
TO HEMOGLOBIN IN RAT AND PIGEON BLOOD N65-26380
- IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS,
OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY,
MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND
SPECTROPHOTOMETRY EUR-2402.F N65-29855
- SPECTROSCOPY
SA ELECTRON MICROSCOPY
SA INFRARED SPECTROSCOPY
SA MOLECULAR SPECTROSCOPY
- EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND
POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC
AND TELEVISION INSTRUMENT PACKAGE FOR TELEMETRY A65-16557
- SPECTRUM
SA ABSORPTION SPECTRUM
SA DIFFRACTION GRATING
SA ELECTRON SPECTRUM
SA INFRARED SPECTRUM
SA MICROWAVE SPECTRUM
SA VISIBLE SPECTRUM
- SPECTRAL SENSITIVITY OF SMALL RETINAL AREAS
AD-448595 N65-12067
- SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE FR-65-10-30 N65-19352
- PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
- MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
LYSOZYME, AND CYTOCHROME C SPECTRA
NASA-CR-58662 N65-29650
- DIFFERENTIAL SPECTRUM OF GREEN BACTERIA
CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF
BACTERIOVIRIDINE CONVERSIONS DURING
PHOTOSYNTHESIS N65-32660
- SPEECH
SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112
- SUSCEPTIBILITY TO DELAYED AUDITORY FEEDBACK WHILE
SHADOWING MESSAGES A65-81408
- AFTEREFFECTS OF DELAYED AUDITORY FEEDBACK ON
SPEECH. A65-81566
- SPEECH ANALYSIS SYNTHESIS AND PERCEPTION OF SPEECH
AND PHYSIOLOGY OF HEARING A65-81773
- HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE
CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE A65-81871
- TESTING HEARING BY USING SPEECH AUDIOMETRY
TO DETERMINE WORD GROUP PERCEPTION IN FITNESS
EXAMINATIONS OF FLIGHT PERSONNEL N65-13707
- SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS -
INSTRUMENTATION, NASAL CAVITY STRUCTURES,
ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND
BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964 N65-23850
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS,
SPEECH FORMING MECHANISM, PERCEPTION, AND
ARTICULATION FOR HUMAN COMMUNICATION WITH
ELECTRONIC COMPUTERS JPRS-30543 N65-25514
- SPEECH DEFECT
SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED
BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES
OPERATED AT OVERPRESSURES TO COUNTERACT HIGH
ALTITUDE HYPOXIA A65-36366
- SPEECH DISCRIMINATION
RELATIONS BETWEEN SCORES OF P B-WORD TEST AND
MODIFIED RHYME TEST AND TEST CONDITIONS A65-28430
- STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION
AGAINST NOISE INJURY AND IN UNDERSTANDING OF
SPEECH A65-80010
- STIMULUS SET AND RESPONSE SET - ALTERNATION OF
ATTENTION A65-80336
- PHONEMIC COMPLETION AND SOCIAL EVALUATION OF
HEARING LOSS A65-81116
- RELATIONSHIP OF PURE TONES TO SPEECH RECEPTION
THRESHOLD A65-81240
- HEARING LOSS AT 1000-2000 C.P.S. AS RELATED TO
SPEECH INTELLIGIBILITY PREDICTION A65-81337
- MOTOR THEORY OF SPEECH PERCEPTION REVIEWED A65-81761
- PROBLEMS USING TEST METHODS FOR MEASURING SPEECH
DISCRIMINATION A65-82059
- SPEECH DISCRIMINATION IN NOISE IMPROVED BY
BINAURAL HEARING A65-82133
- INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS A65-82298
- HUMAN SPEECH MODEL FOR FEEDBACK CONTROL SYSTEM N65-16618
- SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM

- RADC-TR-65-184 N65-34570
- SPEED**
- S AIR SPEED
 - S GROUND SPEED
 - S PERCEPTUAL SPEED
 - S SUPERSONIC SPEED
 - S VELOCITY
- SPINAL CORD**
- LOCAL, SEGMENTAL AND SUPRASPINAL INTERACTION WITH DORSOLATERAL SPINAL CUTANEOUS AFFERENT SYSTEM, EXAMINING ELECTRIC STIMULATION EFFECTS A65-16311
- STEADY ARRIVAL OF CUTANEOUS IMPULSES AT SPINAL CORD RESULTS IN STEADY DEPOLARIZATION OF PASSIVE AFFERENT TERMINALS A65-16316
- RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO PERIPHERAL CUTANEOUS UNMYELINATED FIBERS A65-22352
- MYELOPATHY IN WORKERS WITH OCCUPATIONAL VIBRATION EXPOSURE A65-80192
- CONTROL OF BODY MOVEMENTS BY SPINAL CORD A65-80830
- HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD LEVEL A65-80913
- SPINAL CORD CONVULSIONS IN DEVELOPING RAT AT HIGH ALTITUDE /12,470 FT., 3,800 M./ A65-81587
- MORPHOLOGY OF VESTIBULAR NUCLEI AND RELATION TO SPINAL CORD AND CEREBELLUM IN CATS A65-81725
- SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL INHIBITORY REFLEX IN CATS A65-82065
- NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION EFFECTS ON HUMAN EEG A65-14470
FTD-TT-64-267/182
- OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND SPINAL CORD IN HYPOXIA ACCLIMATED RATS N65-17813
- EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE OF SPINAL REFLEX ARC N65-31383
- SPLEEN**
- SA BLOOD**
- HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE MARROW OF MICE TWICE IRRADIATED WITH COBALT 60 DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE MARROW A65-81265
- DOG SPLEEN RESPONSE TO LATERAL ACCELERATION N65-13637
- PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE ELECTRIC CONDUCTIVITY A65-17025
JPRS-28782
- RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216
- RADIATION INDUCED CHANGES IN ADENOSINE TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO CHRONIC GAMMA IRRADIATION AND INFLUENCE OF VARIOUS FACTORS ON ACUTE RADIATION INJURY N65-19218
- SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT, NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED BIOLOGICAL STUDIES N65-20132
JPRS-29112
- ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE OF IRRADIATED ANIMALS - ANIMAL STUDY N65-20133
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN SPLEEN AND VENA CAVA OF MICE INJECTED WITH SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION N65-30506
SAM-TR-65-13
- EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE OXIDATION BY RAT SPLEEN AND BONE MARROW SUSPENSIONS N65-34260
SAM-TR-65-29
- FATE OF SPLEEN CELLS LABELLED WITH TRITIUM - SENSITIVITY IN VIVO CULTURES DURING SECONDARY RESPONSE OF ANTIBODY N65-36617
- SPONTANEOUS IGNITION TEMPERATURE**
- IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES IN COMBUSTION-BOMB EXPERIMENTS A65-34083
- SPORE**
- MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS N65-13671
- DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY DIFFERENT FLIGHT LENGTHS ON VOSTOK V N65-15163
NASA-TT-F-9627
- DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP STERILIZATION SYSTEM IN TREATMENT OF COMPONENT CONTAMINATION OF SPACECRAFT N65-18205
NASA-CR-191
- TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR EARTH SURFACE N65-23992
- RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT N65-23997
- SPRAYING APPARATUS**
- SUPERIORITY OF AGRICULTURAL AIRCRAFT OVER GROUND SPRAYING APPARATUS N65-10337
JPRS-27161
- SPUTNIK III SATELLITE**
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V SATELLITES A65-80150
- SPUTNIK V SATELLITE**
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V SATELLITES A65-80150
- SQUIRREL**
- IMPAIRED RECOVERY FROM HYPOTHERMIA INDUCED BY HYPOXIA IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS, AFTER HYPOTHALAMIC LESIONS A65-80871
- THERMOREGULATION AND COLD ACCLIMATIZATION IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS A65-81137
- CORE TEMPERATURE INFLUENCE UPON DURATION OF HIBERNATION OF GROUND SQUIRREL, CITELLUS LATERALIS A65-81139
- CHANGES IN REGIONAL BLOOD FLOW AND BLOOD VOLUME DURING AROUSAL FROM HIBERNATION IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS A65-81458
- CONTINUOUS TELEMETRIC MEASUREMENTS OF BIOLOGICAL RHYTHMS IN UNRESTRAINED ARCTIC GROUND SQUIRRELS /CITELLUS PARRYI/ A65-81459
- RELATIVE VISCOSITY AND OTHER FUNCTIONS OF BLOOD OF HIBERNATING AND ACTIVE ARCTIC GROUND SQUIRRELS, CITELLUS UNDULATUS A65-81461
- ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN HIBERNATION FOR 14, 28 AND 56 DAYS A65-81462

SUBJECT INDEX

STATIC LOADING

- EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING CYCLE A65-81467
- TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS AND C. SPILOSOMA/ FOR WATER DEPRIVATION DURING HIBERNATION A65-81470
- INFLUENCE OF HIBERNATION AND INTERMITTENT HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGLUTININS IN GROUND SQUIRREL, CITELLUS CITELLUS A65-81497
- AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES /CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEY/ OF GROUND SQUIRRELS HIBERNATING IN COLD ENVIRONMENT A65-81499
- ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE, AND ADENOSINE TRIPHOSPHATE-CREATINE TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL MUSCLE OF GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING HIBERNATION AND AROUSAL A65-81500
- BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL DURING HIBERNATION AND INDUCED HYPOTHERMIA AAL-TDR-63-21 N65-10255
- STABILITY**
- SA CONTROL STABILITY
 - SA LATERAL STABILITY
 - SA STORAGE STABILITY
 - SA STRUCTURAL STABILITY
 - SA THERMOSTABILITY
- TETRATHIONATE EFFECT ON STABILITY AND IMMUNOLOGICAL PROPERTIES OF MUSCLE TRIOSEPHOSPHATE DEHYDROGENASES NASA-CR-56251 N65-19962
- STABILITY AND CONTROL**
- CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN CONTROL SITUATIONS LIMITED TO USE OF VISUAL VESTIBULAR SENSING OF MOTION A65-22032
- STABILITY TEST**
- SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION NASA-TM-X-127 N65-28135
- STABILIZATION**
- REDUCING OR STOPPING INVOLUNTARY EYE MOVEMENTS AS RELATED TO RETINAL IMAGE A65-80661
- STAGE**
- S SECOND STAGE
- STAINLESS STEEL**
- DEATH RATES OF MICROORGANISMS DEPOSITED ON SURFACES OF STAINLESS STEEL AND ELECTRONIC COMPONENTS BY HANDLING AND AERIAL FALLOUT - DECONTAMINATION TECHNIQUES NASA-CR-67267 N65-35116
- STANDARD**
- INTERNATIONAL STANDARD REFERENCE ZERO FOR PURE-TONE AUDIOMETRY A65-81484
- NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET UNION JPRS-31646 N65-32010
- NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS NASA-TT-F-9578 N65-36751
- STANDARDIZATION**
- RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM IN INDUSTRY AND STANDARDIZATION OF RADIOACTIVE SUBSTANCES JPRS-27032 N65-10120
- STANDARDIZATION OF RADIOACTIVE SUBSTANCES N65-10124
- MAXIMUM PERMISSIBLE CONCENTRATION OF INDUSTRIAL DUST STANDARDIZATION PROBLEM JPRS-29693 N65-21572
- STAPHYLOCOCCUS**
- PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS ENTEROTOXIN - ANIMAL STUDY N65-22747
- STAR FIELD**
- STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF PROJECTED STAR FIELD FOR SPACE ENVIRONMENT SIMULATION A65-35493
- STARFIGHTER AIRCRAFT**
- S F-104 AIRCRAFT
- STARVATION**
- INCREASE OF PERIODIC ACID SCHIFF REAGENT POSITIVE GRANULES IN FOOD DEPRIVED MOUSE INTESTINAL EPITHELIUM DURING GLUCOSE ABSORPTION A65-80013
- HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
- VARIATION OF PLASMA KETONES AND FREE FATTY ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301
- STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN POSTPRANDIAL AND IN FASTING STATE IN RELATION TO GLUCOSE INTAKE A65-80447
- URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH FAT DIETS, AND KETONE INFUSIONS A65-80515
- EFFECT OF SHORT-TERM AND LONG-TERM FOOD DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC LESIONS A65-80653
- STARVATION IN NORMAL OBESE SUBJECTS PERFORMING ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN RELATION TO SURVIVAL A65-80729
- NITROGEN AND WEIGHT LOSSES DURING STARVATION IN OBESITY A65-80989
- EFFECT OF FASTING IN RAT FOR 26 HOURS ON LIPID METABOLISM OF HEART AND PLASMA A65-81128
- CHANGES IN GASTRIC HISTIDINE DECARBOXYLASE ACTIVITY DURING FASTING AND FEEDING IN RATS A65-81217
- HYPOTHALAMO-HYPOPHYSAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288
- RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY TEMPERATURE IN MAN DURING STARVATION A65-81798
- PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING AND INSULIN A65-82168
- PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF HUMAN SUBJECT DURING FASTING AND EXERCISE A65-82189
- KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD PLASMA DURING EARLY PERIOD OF STARVATION IN MAN A65-82249
- PLASMA FREE FATTY ACID CHANGES IN MAN FASTING DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID INGESTION A65-82363
- PIGMENT INTERFERENCE IN CORTICOSTEROID MEASUREMENTS OF HUMAN BODY DURING TOTAL STARVATION SAM-TDR-64-58 N65-11422
- STATE**
- S SOLID STATE
- STATIC LOADING**
- COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION

STATION

SUBJECT INDEX

- OF LIMB STRUCTURE
DTMB-1810 N65-17039
- STATION
S SPACE STATION
- STATISTICAL ANALYSIS
SA REGRESSION ANALYSIS
- GALVANIC SKIN RESPONSE - THEORETICAL CONSIDERATION
OF SKIN RESISTANCE AND SKIN CONDUCTANCE RELATED
TO SWEAT GLAND A65-80005
- STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY
FROM 1951-1963 A65-80918
- OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- STATISTICAL CORRELATION
REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
AD-609676 N65-29152
- STATISTICAL DECISION THEORY
DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF
PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS
ESD-TDR-64-192 N65-25943
- STATISTICS
SA BAYESIAN STATISTICS
SA BIOMETRICS
SA FACTOR ANALYSIS
- STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR
DISQUALIFICATION OF PILOT CANDIDATES IN THE
ITALIAN AIR FORCE A65-80216
- STATISTICAL ANALYSIS OF SICKNESS AND ACCIDENT
RATE IN WORKERS EXPOSED TO RISK OF CHRONIC CARBON
MONOXIDE POISONING A65-80285
- STATISTICAL ANALYSIS OF INCIDENCE OF CLINICAL
SIGNS DURING ACUTE CARBON MONOXIDE POISONING
AND PROGNOSTIC VALUE A65-80286
- STATISTICAL TABLE FOR EVALUATION OF ACCIDENTS DUE
TO DEFECTIVE VISUAL ACUITY A65-81268
- STATISTICAL MODEL OF ELECTROENCEPHALOGRAM
JPRS-27324 N65-10036
- STELLAR MASS
LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS
EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE,
NUCLEAR POTENTIALS AND PULSATING MODELS
A65-31029
- STEREOSCOPIC VISION
SA DEPTH PERCEPTION
- SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE
BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC
PERCEPTION AND COLOR VISION A65-29058
- DESTRUCTION OF STEREOPSIS - THREE THEORIES OF
STEREOPSIS A65-80025
- DOUBLE STIMULATION EFFECT - TEMPORARY INHIBITION
OF RESPONSE WITH RESPECT TO REACTION TIME,
DICHOTIC LISTENING, AND STEREOSCOPIC PERCEPTION
STUDIES A65-80098
- MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT
OBSERVATION A65-82289
- STERILIZATION
SA CHEMICAL STERILIZATION
SA PURIFICATION
- HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN
CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS
A65-14383
- CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506
- DRY HEAT STERILIZATION OF NATURALLY CONTAMINATED
METAL SURFACES
NASA-CR-52899 N65-17290
- STERILIZATION OF SPACE PROBES USING DRY HEAT
NASA-CR-60875 N65-17509
- DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP
STERILIZATION SYSTEM IN TREATMENT OF COMPONENT
CONTAMINATION OF SPACECRAFT
NASA-CR-191 N65-18205
- BACTERIAL DISSEMINATION, REDUCTION OF
CONTAMINATION ON SURFACES, AND GERMICIDAL
ACTIVITY OF ETHYLENE OXIDE
NASA-CR-57148 N65-18915
- ELECTRON STERILIZATION OF CONTAMINATED FOOD -
RADIOBIOLOGY AND DECONTAMINATION
FD-6 N65-25641
- ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- DRY HEAT STERILIZATION OF MICROORGANISMS ON GLASS
SURFACES AT 100 DEG C
NASA-CR-63665 N65-27517
- DESIGN OF RADIATION STERILIZATION PLANTS FOR
MEDICAL SUPPLIES AND PHARMACEUTICALS
AECL-2264 N65-28023
- STERIOD
SA CHOLESTEROL
SA CORTICOSTEROID
- ANABOLIC STEROID EFFECT ON PHYSICAL PERFORMANCE OF
YOUNG MEN A65-81919
- EFFECT OF PHYSICAL EXERCISE ON BLOOD PLASMA LEVEL
OF 17-HYDROXYCORTICOSTEROIDS IN MAN
A65-81955
- NATURALLY OCCURRING STEROLS OF CHLORELLA VULGARIS,
C. ELLIPSOIDEA, AND C. SACCHAROPHILD
A65-82346
- EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS
N65-13676
- RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS,
ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS,
BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES,
SYNTHESIS OF TRACERS, AND INSTRUMENTATION
ACRH-22 N65-15627
- ANALYTIC CHEMISTRY AND DETERMINATION OF STEROLS IN
SIX SPECIES OF CHLORELLA N65-15804
- STERIOD INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588
- STERIOD ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56 N65-22075
- COMMUNIST CHINA SCIENCE AND TECHNOLOGICAL
REPORTS - ORAL CONTRACEPTIVE STEROIDS, SECONDARY
ELECTRON, ENTOMOLOGY, SCHISTOSOMIASIS
PREVENTION, AND DRUG TREATMENT
JPRS-30299 N65-24887
- SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30 N65-25204
- STIFF STRUCTURE
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN
LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION
OF LIMB STRUCTURE

DTMB-1810 N65-17039

STIMULANT
SA CENTRAL NERVOUS SYSTEM STIMULANT

VISUAL MASKING USING VARIOUS TEST STIMULUS PATTERNS
NASA-TM-X-51978 N65-29381

STIMULATION
SA PHOTIC STIMULATION
SA SENSORY STIMULATION

BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY USED ON PRIMATES A65-81156

GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS
NASA-CR-59548 N65-11396

LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521

DIFFERENTIATED INHIBITION LIMITS BY GRADUAL INCREASE IN PHYSICAL STRENGTH OF INHIBITORY STIMULATION USING SALIVARY ALIMENTARY CONDITIONED REFLEX
JPRS-29461 N65-20832

EFFECTS OF HIGH AND LOW LEVELS OF STIMULATION ON GASTROINTESTINAL RESPONSE
TR-14 N65-22947

DYNAMIC PROPERTIES AND MODELING OF SENSITIVE ELEMENTS FOLLOWING STIMULATION IN VARIOUS BIOLOGICAL CONTROL SYSTEMS N65-23364

RELATIONSHIP OF DIFFERENT STAGES OF CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY ELICITED BY NERVE STIMULATION IN MONKEYS
N65-28774

ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE ISOLATED GIANT AXON OF RAIN WORM
N65-32663

EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION ON HORIZONTAL NYSTAGMUS IN CAT
REPT.-620 N65-36664

STIMULUS
SA AROUSAL
SA AUDITORY STIMULUS
SA CALORIC STIMULUS
SA ELECTRIC STIMULUS
SA SUBLIMINAL STIMULUS
SA VISUAL STIMULUS

CUTANEOUS DISCRIMINATION OF MULTIPLE VIBRATORY STIMULI OF VARYING PATTERNS A65-81376

MATHEMATICAL ANALYSIS OF AVERAGE RESPONSE COMPUTATION BASED ON APERIODIC STIMULI A65-81690

EVOKED NON-SPECIFIC RESPONSES OF SENSORY-MOTOR CEREBRAL CORTEX TO NONDIFFERENTIATED AND UNCONDITIONED STIMULI IN MAN A65-82205

POTENTIAL RESPONSE IN VARIOUS CORTICAL STRUCTURES DURING FORMATION OF FOOD CONDITIONED REFLEXES TO ACOUSTIC AND PHOTIC STIMULI IN DOGS A65-82226

COMPLEXITY JUDGMENTS OF PHOTOGRAPHS RELATED TO LOOKING TIME A65-82330

ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC OF STIMULUS N65-13750

TIMING BEHAVIOR AND STIMULUS TRAINING ON TWO MALE ALBINO RATS
NASA-CR-53693 N65-17052

INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN RESPIRATORY FORMATIONS OF BRAIN N65-17766

DISINHIBITION OF SUPRALIMINAL INHIBITION BY EXTERNAL STIMULI
JPRS-29460 N65-21092

ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE RESISTANCE TO STRESSES
JPRS-31909 N65-32356

EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780

STOCHASTIC PROCESS
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY OF RADIOACTIVE MATERIAL IN COMPARTMENTED SYSTEM
GRNL-3809 N65-25848

RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL METHODS OF COMPUTING PRIMARY IONIZATION DOSES - RADIATION DOSE CALCULATIONS N65-34633

STOMACH
SA ABDOMEN
SA ANATOMY
SA ULCER

HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN DOG A65-81797

FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL, AND GASTROINTESTINAL DISEASES - PERSONNEL SELECTION N65-13732

EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR APPARATUS ON ELECTRIC POTENTIAL OF STOMACH N65-13769

X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX CANCER IN U.S.S.R. N65-30219

EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780

STONY METEORITE
MICROBIOLOGICAL ANALYSIS OF IRON AND STONE METEORITES, NOTING ABILITY OF BACTERIA TO PENETRATE INTO CENTRAL REGIONS A65-30687

STOPPING POWER
THEORETICAL EVALUATION OF ABSORBED RADIATION DOSE IN TISSUE - EFFECTS OF SHELL CORRECTIONS TO STOPPING POWER IN DOSE STUDIES
ORNL-P-659 N65-32829

STORABLE PROPELLANT
SA PROPELLANT STORABILITY

STORABLE PROPELLANT UTILIZATION EXTENDED TO INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL AND WATER AND POWER PRODUCTION
AIAA PAPER 64-213 A65-24446

STORAGE
SA AGING
SA DATA STORAGE

PREPARATION, HANDLING, AND STORAGE OF FOOD FOR MERCURY, GEMINI, AND APOLLO SPACE PROJECTS N65-18574

HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED SPACE FLIGHTS N65-18576

STORAGE DEVICE
ASTRONAUT FEEDING IN SPACE FLIGHTS, FREEZE-DEHYDRATED AND BITE-SIZE READY-TO-EAT FOOD, STORAGE AND CONTAINER HANDLING PROBLEMS A65-18837

CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT FACILITATING PROVISION OF PROPULSION, POTABLE WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT

- ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143
- STORAGE STABILITY**
HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST
EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION,
USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS
NASA-CR-52090 N65-16984
- STORM**
SA WIND
RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON
POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-64935 N65-33855
- STRAIN GAUGE**
LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE
FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION
WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE
A65-33948
CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23 N65-34134
- STRAIN RATE**
STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653
- STRATEGY**
STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION
MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD
TO ERROR PROBABILITIES - DERIVATION OF BETA
BINOMIAL PROBABILITY FUNCTION
ESD-TDR-64-605 N65-26109
- STRATOSPHERE**
SAMPLING AND IDENTIFICATION OF VIABLE
MICROORGANISMS IN STRATOSPHERE
NASA-CR-53951 N65-16493
EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS
IN STRATOSPHERE
NASA-CR-52518 N65-16979
RADIATION FALLOUT MEASUREMENTS FROM VARIOUS
WORLDWIDE SAMPLINGS AND STRATOSPHERIC
DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158 N65-22800
STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS
FROM SYSTEM FOR NUCLEAR AUXILIARY POWER- 9 A
/ SNAP-9A/ BY PLUTONIUM ISOTOPE MEASUREMENTS
N65-22801
CHARACTERISTICS OF IMPACTION AND BIOLOGICAL
FILTRATION AEROSOL COLLECTION MECHANISMS IN
STRATOSPHERE N65-23985
VERTICAL DISTRIBUTION OF AIRBORNE ORGANISMS IN
TROPOSPHERE AND STRATOSPHERE N65-23990
- STRENGTH**
S ELASTIC STRENGTH
S MUSCULAR STRENGTH
- STRESS /BIOL/**
SA FLIGHT STRESS
SA PATHOLOGICAL EFFECT
BIOINSTRUMENTATION AND MONITORING SYSTEM FOR
ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL
STRESS A65-10697
LIFE SUPPORT SYSTEM RESEARCH FOR PHYSIOLOGICAL
STRESSES ENCOUNTERED BY NAVY AND MARINE
PERSONNEL A65-11787
BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN
LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT
A65-21025
STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN
- MACACA NEMESTRINA A65-80307
ASSESSMENT, MANAGEMENT AND CONTROL OF HEAT STRESS
A65-80635
PSYCHOLOGICAL EFFECT OF HEAT STRESS A65-80637
PSYCHOLOGICAL INVESTIGATION OF NOISE EFFECT ON
MOTOR AND MENTAL PERFORMANCE A65-80692
FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL
FACILITIES AND STRESS-RELATED SYMPTOMS A65-80895
SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897
PROPOSED FRAMEWORK FOR ANALYSIS OF STRESS IN
HUMANS A65-81207
PSYCHOLOGICAL CORRELATES OF HYPOXIA-STRESS
TOLERANCE A65-81333
EFFECT OF MUSCULAR STRESS OF DURATION OF DIFFERENT
COMPONENTS OF MOTOR REACTION OF LOWER EXTREMITIES
IN YOUNG ATHLETES A65-81509
MILD STRESS RELATED TO INTERFERENCE OF
PROBLEM-SOLVING A65-81579
CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND
EXERCISE HABITS - POTENTIAL CARDIAC RISK AND
SCREENING TEST A65-81599
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
EVALUATION OF PILOT PERFORMANCE BY INFLIGHT
ELECTROENCEPHALOGRAPH STUDY OF STRESS TOLERANCE
A65-81777
INTERINDIVIDUAL DIFFERENCES IN CATECHOLAMINE
EXCRETION DURING STRESS A65-81883
OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-
COLLIP DRUM TRAUMA OR HYDROCORTISONE
ADMINISTRATION, IN YOUNG AND OLD RATS A65-82090
MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL
THREAT STRESS AS RELATED TO COLOR DISCRIMINATION
PERFORMANCE A65-82118
ALTERED CARDIAC MUSCLE TISSUE RETENTION OF
EXOGENOUS NORADRENALINE PRODUCED BY STRESS IN
YOUNG RABBITS A65-82316
PERFORMANCE ON HALSTEAD TACTUAL PERFORMANCE TEST
UNDER SEVERE ENVIRONMENTAL STRESS A65-82334
BIOLOGICAL STRESSES AND HAZARDS IN MANNED SPACE
FLIGHT
NASA-CR-59405 N65-10045
BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL
VIBRATION STRESS
AMRL-TDR-64-58 N65-10467
PHYSIOLOGICAL AND PSYCHIATRIC EFFECTS OF
EXAMINATION STRESS AND NIGHT-DAY REVERSAL
AD-423385 N65-10623
DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS
N65-13641
EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528

SUBJECT INDEX

STRUCTURAL STRAIN

- USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS
AD-450861 N65-14679
- GRAVITATIONAL STRESS EFFECT ON ARTERIAL WALL
JPRS-28476 N65-15353
- STRESS FACTORS FOUND IN 120 DAY SEALED CHAMBER
TESTS
JPRS-28490 N65-15355
- VIBRATION EFFECTS ON HUMANS AND ANIMALS,
OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES,
VIBRATION ABSORBERS FOR WORKER PROTECTION, AND
FREON GAS TOXICOLOGY
JPRS-28721 N65-16207
- RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL
ACCELERATION STRESS
N65-16629
- NUTRITION AND STRESSES OF SHORT TERM SPACE FLIGHT
N65-18575
- CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION
N65-18595
- NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT
N65-18601
- PSYCHOLOGICAL RESPONSE PATTERNS, STRESS
RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO
PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE
SUBMARINE
REPT.-416 N65-18876
- PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT
N65-25601
- CONCEPTS AND INDICATORS IN STUDIES OF BEHAVIOR
UNDER STRESS - LOGIC
AD-610808 N65-28803
- LITERATURE SURVEY IN MOLECULAR BIOLOGY, GENETICS,
AND STRESS
JPRS-31599 N65-31535
- ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909 N65-32356
- MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF
POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN
EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL
STRESS ON HUMAN PERFORMANCE
AMRL-TR-65-39 N65-32928
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921
- AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTOMATOLOGY,
AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT -
AUTONOMIC NERVOUS SYSTEM MECHANISMS
MR-63-13 N65-35295
- STRESS AND LOAD
STRESS AND OVERLOAD EFFECTS ON GROUP DECISION
MAKING AND COMMUNICATION PATTERNS - PARTICIPANT
FUNCTIONING AS SELF-ORGANIZING SYSTEM
QTSR-1 N65-30512
- STRESS CYCLE
MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE
FROM SACRIFICED MALE RAT FEMURS IN VITRO
A65-16559
- STRONTIUM
ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE
CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND
REAL PARTICULATE FALLOUT
ACRH-102 N65-13845
- STRONTIUM 89
ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL
CONTAMINATION BY STRONTIUM 89, STRONTIUM 90,
AND CESIUM 137 - RADIATION PROTECTION STANDARDS
REPT.-7 N65-25882
- RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED
STRONTIUM 89, STRONTIUM 90, AND CESIUM 137
N65-28341
- STRONTIUM 90
EFFECT OF SUBCUTANEOUS INJECTIONS OF MAGNESIUM
SULFATE SOLUTION ON DEGREE OF STRONTIUM 90
ABSORPTION IN EXPERIMENTAL ANIMALS
A65-82181
- STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY -
BIOPHYSICS AND NUCLEAR MEDICINE
UCLA-12-538 N65-14988
- STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN
PRECIPITATION, SOIL, SEA WATER, VEGETATION,
ANIMALS, AND DRINKING WATER IN GREENLAND
RISG-87 N65-18474
- EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS
UR-661 N65-22992
- ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL
CONTAMINATION BY STRONTIUM 89, STRONTIUM 90,
AND CESIUM 137 - RADIATION PROTECTION STANDARDS
REPT.-7 N65-25882
- RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED
STRONTIUM 89, STRONTIUM 90, AND CESIUM 137
N65-28341
- CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,
AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-D-4/65 N65-28883
- STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902
- BETA RADIATION PENETRATION DETERMINATION OF
STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS
THICKNESSES
REPT.-155 N65-31074
- EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING
GROWTH PERIOD OF BEAGLE AND ITS RELATION TO
RADIUM 226 TOXICITY
UCD-472-112 N65-32350
- STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND
DIETS OF CHILDREN
N65-36616
- STRUCTURAL DESIGN
PILOT COCKPIT DISPLAY DESIGN AND VIEWING SYSTEM
AGARD-491 N65-27730
- STRUCTURAL ENGINEERING
TECHNICAL PROBLEMS AND MEANS OF PROTECTION AGAINST
SOLAR RADIATION
A65-80967
- STRUCTURAL MATERIAL
RADIATION EFFECTS THRESHOLDS OF ELECTRONIC
EQUIPMENT AND STRUCTURAL MATERIALS - METALS,
POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC
COMPONENTS
N65-34587
- STRUCTURAL STABILITY
SONIC BOOM - STRUCTURAL STABILITY AND
PHYSIOLOGICAL HAZARDS AND PROTECTIVE MEASURES
A65-81997
- STRUCTURAL STRAIN
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN
LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION
OF LIMB STRUCTURE
DTMB-1810 N65-17039

STRYCHNINE

SUBJECT INDEX

STRYCHNINE

ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT /STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT /ACETAZOLAMIDE AND DIPHENYHYDANTOIN/ DRUGS DURING HIGH ALTITUDE ACCLIMATIZATION A65-80225

DC RESTING POTENTIALS OF CAT AS AFFECTED BY ELECTRIC AND THERMIC STIMULATION OF EFFERENT VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE A65-81379

STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO EFFECTS OF ACCELERATION N65-17746

SUBGRAVITY

CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED GRAVITATIONAL ENVIRONMENT OF MOON A65-10763

HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF MECHANICS A65-14224

PROLONGED WEIGHTLESSNESS AND ITS EFFECT ON ASTRONAUTS A65-29101

RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY A65-30137

HUMAN LOCOMOTION AND ENERGY REQUIREMENTS UNDER SUBGRAVITY CONDITIONS - ANALYSIS BASED ON PHYSICAL CHARACTERISTICS A65-80131

LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE AND GRAVITATIONAL CONDITIONS A65-81994

EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND SUBGRAVITY STATES NASA-CR-51786 N65-16431

SUBLIMINAL STIMULUS

SUBLIMINAL DISCRIMINATION AND CONCEPT OF VIGILANCE A65-80996

GUESSING HABITS AS FUNCTION OF SUBLIMINAL STIMULATION A65-81359

SUBMARINE

SA NUCLEAR SUBMARINE

TOXICOLOGICAL ASPECTS OF MISSILES AND CONTAMINATION IN CLOSED SPACE OF SUBMARINES A65-81237

ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE FLIGHT AND SUBMARINE MEDICINE JPRS-27767 N65-13417

PSYCHOLOGICAL RESPONSE PATTERNS, STRESS RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE SUBMARINE REPT.-416 N65-18876

VISUAL ACUITY STANDARDS FOR SUBMARINE DUTY REPT.-428 N65-18877

AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTOMATOLOGY, AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT - AUTONOMIC NERVOUS SYSTEM MECHANISMS MR-63-13 N65-35295

SUBORBITAL FLIGHT

TELEMETRIC DEVICES FOR STUDY AND CONTROL OF PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET SPACE MISSIONS A65-80333

PSYCHOLOGICAL RESEARCH AREAS EXPLORED IN SUBORBITAL AND ORBITAL FLIGHTS BETWEEN APRIL 1961 AND JUNE 1963 A65-80450

SUGAR

S GLUCOSE

SUGGESTION

SPECIFIC MOTOR RESPONSE DURING SLEEP TO

SLEEP-ADMINISTERED MEANINGFUL SUGGESTION A65-81012

POSTURAL AUTOKINETIC EFFECT RELATED TO SUGGESTION AND SUSCEPTIBILITY TO MOTION SICKNESS A65-81448

SUIT

SA PRESSURIZED SUIT
SA SPACE SUIT

WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE CLOTHING RAE-TN-MECH-ENG-400 N65-29605

SULFATE

HYDROGENASE ENZYME PROPERTY STUDY IN ORDER TO ELUCIDATE PROCESS OF SULFATE REDUCTION IN COLEMAN ORGANISM A65-17519

SULFUR

ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION PROTECTION OF MICE TREATED WITH BIS/2-GUANIDOETHYL/ DISULFIDE /GED/ A65-80169

REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY REACTION OF SULFUR IN SATAL DRUG CONTAINING GARLIC AND LEAD POWDER JPRS-30863 N65-27031

SUN

SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS GUACAMAIA AND S. LOELESTIUS A65-80815

FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO ILLUMINATION AND RADIATION FROM SUN AND ATOMIC BLASTS TOGETHER WITH PROTECTIVE MEASURES A65-82188

SUNLIGHT

DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS AND CARNIVORES EXPOSED TO EXTREME CHANGES IN ARCTIC DAYLIGHT A65-80268

PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT EFFECTS OF SUNLIGHT ON HUMAN BODY A65-80492

SUPERCOOLING

SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL BODY TEMPERATURE WITHOUT ALTERING NORMAL PHYSIOLOGY FTD-TT-65-74/162 N65-30489

SUPEROXIDE

S PEROXIDE

SUPERSONIC AIRCRAFT

MAN-MACHINE RELATIONSHIP - SUPERSONIC CONCORDE AIRCRAFT AERODYNAMIC CHARACTERISTICS AND SYSTEMS ANALYSIS N65-28456

SUPERSONIC FLIGHT

MEDICOPHYSIOLOGICAL ASPECTS OF COMMERCIAL SUPERSONIC FLIGHT A65-80123

IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT, SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT A65-80842

VISION AND EFFECTS OF SUPERSONIC FLIGHT ENVIRONMENT A65-81787

SUPERSONIC FLIGHT - PHYSIOLOGICAL EFFECTS DURING F104 AIRCRAFT FLIGHT A65-81998

SUPERSONIC SPEED

CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED N65-13703

SUPERSONIC TRANSPORT

ATMOSPHERIC OZONE CONCENTRATION STRESSING SAFEGUARDS NECESSARY FOR PROTECTION OF PASSENGERS AND CREW OF SUPERSONIC TRANSPORT A65-23773

SUBJECT INDEX

SURVIVAL

- HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST FLIGHTS
A65-29068
- SUPERSONIC AIR COMMERCE IN U.S., WESTERN EUROPE AND U.S.S.R. - TECHNICAL PROBLEMS, ECONOMY, AND FLIGHT SAFETY
FTD-TT-64-463/162 N65-14026
- SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK COMPLEXITIES FOR OPERATIONAL CREWS
NASA-CR-146 N65-14449
- IONIZING RADIATION IN SUPERSONIC TRANSPORT FLIGHTS
NASA-TM-X-56122 N65-18921
- SURFACE REACTION
SURFACE REACTION FORCES ON MAN WALKING UNDER REDUCED GRAVITY
MECH/GA-64-1 N65-20613
- SURFACE TENSION
ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG EXTRACTS AND LUNG MECHANICS.
A65-82157
- SURFACE WAVE
SIMULATION OF TOUCH BY MEANS OF SURFACE ULTRASOUND WAVES
FTD-TT-64-225/1 N65-15112
- SURGERY
SURGERY IN CASES OF OTOSCLEROTIC DEAFNESS IN FLYING PERSONNEL
A65-80217
- INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM AFTER LUNG SURGERY
N65-17783
- POLYMER CHEMISTRY PROGRESS IN SURGERY USING POLYVINYL ALCOHOL PLASTICS
JPRS-30864 N65-27067
- INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS
NASA-TT-F-9546 N65-32754
- APPLICATION OF SPACE TELEMETRY TO SURGICAL TECHNIQUES
N65-34003
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC CORTICAL LEADS IN CHIMPANZEE FOR ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE MEDICINE
N65-36771
- SURVEILLANCE
SA SPACE SURVEILLANCE SYSTEM
- HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF PERSONNEL BEHAVIOR UNDER FIELD WORKING CONDITIONS - CONTROL SURVEILLANCE SYSTEM
IDO-17074 N65-25435
- SURVIVAL
SA LIFE SUPPORT SYSTEM
SA SHELTER
- FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY, PILOT COMFORT, AND SURVIVAL
A65-80133
- REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE THROUGH MAGNETIC FIELD PRETREATMENT
A65-80419
- LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH PRETREATMENT IN MAGNETIC FIELDS PRODUCING LEUKOCYTOSIS
A65-80420
- SURVIVAL OF ANIMALS, INCLUDING MICE AND FRUIT FLY, DROSOPHILA MELANOGASTER, IN MAGNETIC FIELDS OF 140,000 OERSTEDS
A65-80425
- CLIMATIC CONTROL OF OUTDOOR AND INDOOR ENVIRONMENTS FOR SURVIVAL, COMFORT, AND THERAPY
A65-80503
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND MONKEYS BREATHING RELATIVELY PURE OXYGEN
- HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA BUT LOWERED BY INSULIN AND CHLORPROMAZINE
A65-80581
A65-80587
- STARVATION IN NORMAL OBESE SUBJECTS PERFORMING ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN RELATION TO SURVIVAL
A65-80729
- SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND BLOOD CHANGES OF TURTLE, PSEUDHEMYS SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897
- SURVEY OF MILITARY SPORT PARACHUTING INJURIES AND DEATHS
A65-80950
- COMPARATIVE HUMAN BEHAVIOR OF DIFFERENT SIZE GROUPS OF ADULTS IN DESERT ENVIRONMENT UNDER VARYING LIVING CONDITIONS
A65-80966
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT AND X-RAY IRRADIATION
A65-81232
- PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER
A65-81287
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED COMMERCIAL AIRCRAFT
A65-81375
- TRAINING OF BRITISH AIRCREWS FOR JUNGLE SURVIVAL
A65-81414
- SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER WATER ACCIDENTS PERTAINING TO CREW TRAINING AND EQUIPMENT
A65-81542
- SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES
A65-81622
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH CONCENTRATIONS OF OXYGEN
A65-81730
- PREVENTION AND CONTROL OF AIRCRAFT ACCIDENTS CAUSED BY DAMAGE TO AIRCRAFT - SURVIVAL ASPECTS
A65-81869
- FACTORS FOR SURVIVAL AND PROTECTION FROM IMPACT INJURY - STUDY OF CASES OF WATER IMPACT
A65-82120
- RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC ACID
A65-82177
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY AND LIPID PEROXIDATION
A65-82358
- BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL INDICES, AND SURVIVAL OF DOG DURING X-RAY IRRADIATION OF LOWER BODY
A65-82365
- POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE PILOTS WEARING FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT
AAL-TDR-64-23 N65-24082
- COLD TEST EVALUATION OF COMPONENTS OF NASA PROGRAM MERCURY SURVIVAL KIT
AAL-TDR-64-24 N65-24083

SUSCEPTIBILITY

SUBJECT INDEX

- BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE RATE DERIVED MATHEMATICALLY AND APPLIED TO SEMICONDUCTOR AND CANCER PROBLEMS - LIFE SURVIVAL TEST
ORC-64-32/RR/ N65-24362
- SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS
JPRS-30503 N65-26034
- IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT ON RADIATION AT VARIOUS RADIATION DOSE RATES
N65-26384
- ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL FLIGHT SUIT FOR PROTECTION FROM COLD DURING IMMERSION IN WATER
TAC-TR-63-31/D/ N65-27567
- MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT
N65-29750
- SURVIVAL, SEARCH, AND RESCUE OPERATION TRAINING TECHNIQUES FOR GENERAL AVIATION PILOTS AND AIRCRAFT OWNERS
N65-29753
- SURVIVAL PROBLEMS FOLLOWING AIRCRAFT ACCIDENTS
N65-29758
- COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL AND REVIEW OF BODY HEAT CONTROL SYSTEM
N65-29768
- MEDICAL RESEARCH - SURVIVAL OF HIGH VELOCITY FREE-FALLS IN WATER BY INDIVIDUALS
AM-65-12 N65-30597
- PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- SUSCEPTIBILITY**
SA MAGNETIC SUSCEPTIBILITY
- MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL THREAT STRESS AS RELATED TO COLOR DISCRIMINATION PERFORMANCE
A65-82118
- SUSPENSION**
ELECTROPHORESIS - DISPLACEMENT OF PARTICLES IN COARSE SUSPENSIONS UNDER INFLUENCE OF EXTERNAL ELECTRIC FIELD
N65-15722
- VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES
N65-22311
- SWEATING**
BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEART RATE, BODY TEMPERATURE, AND SWEAT RATE RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND CAUCASIANS
A65-80068
- SKIN AND CORE TEMPERATURES CHANGES RELATED TO THERMOREGULATION IN MAN
A65-80273
- NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR MEN AT WORK IN HOT CONDITIONS
A65-80274
- SWEAT SUPPRESSION OF FOREHEAD BY FORCED BREATHING IN MAN - EFFECT OF CARBON DIOXIDE TENSION
A65-80314
- TIME COURSE OF DECLINE IN SWEATING PRODUCED BY IMMERSION IN WARM WATER
A65-80510
- PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT DISSIPATION MECHANISM
A65-80898
- DEHYDRATION EFFECTS ON ECCRINE SWEATING OF SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899
- HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING WATER OF LOW SALT CONTENT
A65-80955
- DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION INDUCED BY HEAT STRESS AS INDICATION OF ACCLIMATIZATION AND ALDOSTERONE ACTIVITY
A65-80958
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES
A65-80959
- SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING ENVIRONMENTAL TEMPERATURE
A65-81133
- AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT
A65-81405
- RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD FLOW, AND BODY TEMPERATURE IN WORK
A65-81631
- RADIANT HEATING OF BODY IN ACCLIMATIZED AND UNACCLIMATIZED SUBJECTS - SWEATING AND SKIN TEMPERATURE IN BODY REGIONS HEATED BY INFRARED
A65-81692
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
A65-81910
- HUMAN ECCRINE SWEAT GLAND ACTIVITY AND PALMAR ELECTRICAL SKIN RESISTANCE
A65-81911
- INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN ENVIRONMENTAL TEMPERATURE
A65-81912
- AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD CIRCULATION, AND BODY HEAT REGULATION
A65-82031
- TEMPERATURE REGULATION IN YOUNG WOMEN
A65-82163
- EXERCISE STIMULATION IN WARM AND COLD ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION EFFECTS ON SWEATING RATE
AC-446902 N65-21879
- BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE
NASA-TT-F-9338 N65-23678
- COMPARISON OF CALCIUM AND IODINE EXCRETION IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517
- TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- SWEEP FREQUENCY**
RECORDING AND ANALYSIS OF VOCAL TRACT FREQUENCY RESPONSE BY SWEEP TONE METHOD
STL-QPSR-1/1965 N65-27020
- SWITCH**
SA ELECTRONIC SWITCH
- CHARACTERISTICS OF SWITCH ACTUATORS FOR COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE, NOTING RESPONSE TIME AND ERROR
A65-35473
- SWITCHING CIRCUIT**
OPERATOR PERFORMANCE OF ROTARY SELECTOR SWITCHES
T5-1187/3111 N65-34302
- SYMBOL**
SYMBOLS FOR HIGH RESOLUTION VIDEO MAPS, CONSIDERING AERONAUTICAL AND NATURAL OR ARTIFICIAL CONFIGURATIONS
A65-21613
- SYMPATHETIC NERVOUS SYSTEM**
CARDIOVASCULAR RESPONSES MEDIATED BY SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80075
- PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND

- MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY
A65-80176
- SYMPATHETIC NERVOUS SYSTEM FUNCTION REVEALED BY
PLASMA FREE FATTY ACID RESPONSES TO TILTING
FOLLOWING WATER IMMERSION A65-81136
- SYNAPSE
ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY
ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN
TRAPEZOID NUCLEUS OF RABBIT MEDULLA
N65-23373
- SYNCOPE
AVIATION PERSONNEL SYNCOPE EVALUATED, CONSIDERING
PHYSIOLOGICAL CAUSES AND HYPERSENSITIVE RESPONSES
A65-14239
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED
REST IN RELATION TO MANNED SPACE FLIGHT
A65-80145
- EVALUATION OF PHYSIOLOGICAL SYNCOPE IN AVIATION
PERSONNEL A65-80147
- CASE HISTORY OF PILOT HAVING SYNCOPE DURING
INSTRUMENT FLYING A65-80551
- PHYSIOLOGICAL DISORDERS CAUSED BY HEAT
A65-80636
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN A65-81730
- SYNTHESIS
SA PHOTOSYNTHESIS
- AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
CHAMBER A65-80474
- THERMAL SYNTHESIS OF AMINO ACIDS FROM
HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE
A65-80475
- PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
PHOSPHATES AND SIMILAR LABORATORY SYNTHESIS
A65-80476
- ABIOLGICAL SYNTHESIS OF SOME NUCLEIC ACID
CONSTITUENTS A65-80477
- PROBABLE SYNTHESIS OF PORPHINE-LIKE SUBSTANCES
DURING CHEMICAL EVOLUTION A65-80478
- SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
LIKE SYSTEM A65-80482
- PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS
SOLUTION IRRADIATED WITH ULTRAVIOLET
A65-80762
- POSSIBLE ROLE OF DICYANDIAMIDE /CYANOOGUANIDINE/ IN
PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION
A65-80763
- INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD. A65-82051
- CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
- CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING
EXPERIMENTATION WITH RATS N65-18597
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION
NASA-CR-56268 N65-22180
- IONIZING RADIATION EFFECT ON CELLULAR PROTEIN
SYNTHESIS N65-23455
- EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND
- CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID
SYNTHESIS AFTER RADIATION N65-23461
- PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND
DIVISIONS
NASA-CR-62925 N65-24575
- MICROBIOLOGICAL SYNTHESIS IN INDUSTRY AND PROTEIN
BIOSYNTHESIS
JPRS-30486 N65-25722
- MICROBIOLOGICAL SYNTHESIS - THEORETICAL AND
INDUSTRIAL ASPECTS, AND ADVANTAGES OVER CHEMICAL
SYNTHESIS N65-25723
- CHEMICAL SYNTHESIS OF ACTINOMYCIN ANALOGS -
PREPARATION OF HETERODARYL PEPTIDES
AR-3 N65-31233
- PREPARATION OF LABELLED PROTEINS AND PEPTIDES
EUR-1845.F N65-36377
- SYNTHETIC RUBBER
TOXICOLOGICAL EFFECTS OF THREE SYNTHETIC RUBBERS -
ANIMAL STUDY
JPRS-30850 N65-27033
- SYSTEM
- S AEROSPACE SYSTEM
 - S AUTOMATIC DATA PROCESSING SYSTEM
 - S CARDIOVASCULAR SYSTEM
 - S CIRCULATORY SYSTEM
 - S CLOSED LOOP SYSTEM
 - S CODING SYSTEM
 - S COMMAND SYSTEM
 - S COMMUNICATION SYSTEM
 - S CONTROL SYSTEM
 - S COOLING SYSTEM
 - S DATA HANDLING SYSTEM
 - S DIGESTIVE SYSTEM
 - S DISPLAY SYSTEM
 - S ECOLOGICAL SYSTEM
 - S EMERGENCY LIFE SUSTAINING SYSTEM
 - S ENDOCRINE SYSTEM
 - S FLOTATION SYSTEM
 - S GASTROINTESTINAL SYSTEM
 - S GUIDANCE SYSTEM
 - S HEMATOPOIETIC SYSTEM
 - S LANDING SYSTEM
 - S LEARNING SYSTEM
 - S MAN-MACHINE SYSTEM
 - S MECHANICAL SYSTEM
 - S MUSCULAR SYSTEM
 - S NERVOUS SYSTEM
 - S NONLINEAR SYSTEM
 - S OXYGEN SYSTEM
 - S PROPULSION SYSTEM
 - S REPRODUCTIVE SYSTEM
 - S RESPIRATORY SYSTEM
 - S SAMPLED DATA SYSTEM
 - S SELF-ADAPTIVE SYSTEM
 - S SOLAR SYSTEM
 - S SPACE SURVEILLANCE SYSTEM
 - S TAKEOFF SYSTEM
 - S TRACKING SYSTEM
 - S VASCULAR SYSTEM
 - S VISUAL SYSTEM
 - S WARNING SYSTEM
 - S WEAPON SYSTEM
- SYSTEM FAILURE
RELIABILITY OF LIFE SUPPORT SYSTEMS USING GENERIC
FAILURE RATES FOR COMPONENTS
SAE PAPER 912G A65-12905
- IDENTIFICATION AND ELIMINATION OF SOURCES OF
HUMAN-INDUCED EQUIPMENT FAILURES IN COMPLEX
SYSTEMS, CONSIDERING PROBABILITY OF ERROR
A65-34678
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES N65-29770
- SYSTEM FOR NUCLEAR AUXILIARY POWER- 9A /SNAP-9A/
STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS
FROM SYSTEM FOR NUCLEAR AUXILIARY POWER- 9A
/ SNAP-9A/ BY PLUTONIUM ISOTOPE MEASUREMENTS
N65-22801

SYSTEMS ANALYSIS

DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW A65-18291

TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING
EQUIPMENT A65-82362

EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND
SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY
RH-3398-J N65-20726

REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS
NASA-CR-64641 N65-33251

SYSTEMS DESIGN

SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED
PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL
SUBSYSTEM CONCEPT A65-18292

EVOLUTION OF ENVIRONMENTAL CHAMBER DESIGN
A65-80808

HUMAN ENGINEERING GUIDE FOR EQUIPMENT DESIGNERS
A65-81170

SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS
FUNCTION OF MAINTAINING SPACE CREW PHYSICAL
FITNESS A65-81966

HUMAN ENGINEERING IN SYSTEMS DESIGN
N65-23960

SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762

SYSTEMS ENGINEERING

HUMAN INFORMATION PROCESSING CONCEPTS EXAMINING
READ-IN, STORAGE, DECISION MAKING AND READ-OUT
SUBSYSTEMS A65-25180

EMERGING ROLE OF ENGINEERING PSYCHOLOGY IN SYSTEMS
PLANNING AND DEVELOPMENT - HUMAN PERFORMANCE
AMRL-TR-64-88 N65-12996

ANALYTIC APPROACH TO HUMAN ENGINEERING ANALYSIS
AND PREDICTION OF SYSTEM MAINTAINABILITY FOR
AIRCRAFT CONSTRUCTION
AMRL-TR-64-115 N65-17138

RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-2300.

BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL
ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION
AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343

T

T-33 AIRCRAFT

FAT EMBOLISM IN FATAL DECOMPRESSION SICKNESS IN
T-33 AIRCRAFT A65-80149

TACHYPNEA

SIGNS OF COMPENSATORY VENTILATION, TACHYPNEA AND
HYPERPNEA, AS RELATED TO PHYSICAL EXERCISE
A65-80819

TACTICS

DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES
NAVTRADEVEN-1329-1 N65-10522

TACTILE DISCRIMINATION

SA CUTANEOUS PERCEPTION

PILOT OXYGEN MASK WITH TACTILE TRANSDUCER
PROVIDING WARNING SIGNALS FROM WIRELESS
COMMUNICATION SYSTEM A65-11394

DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION
OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147

RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD
AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL
CORTEX A65-80734

AGING AND VISUAL IDENTIFICATION OF TACTUAL-
KINESTHETIC FORMS A65-81123

QUANTITATIVE TACTUAL-KINESTHETIC JUDGMENT WITH
LEFT AND RIGHT HAND A65-81685

BASIC STUDIES ON TACTILE PERCEPTION AND
COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS,
INSTRUMENTATION, AND EQUIPMENT
NASA-CR-322 N65-36764

TACTILE SENSATION

CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS
A65-82050

TAKEOFF SYSTEM

PREDICTIVE INFORMATION INSTRUMENTATION AS AID TO
JET AIRCRAFT TAKEOFFS A65-15434

TAPE

DATA ACQUISITION AND AUTOMATIC DATA PROCESSING
SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE TAPE LIBRARY N65-28768

TARGET

SA RADAR TARGET

OCULOMOTOR RESPONSE TO SMALL TARGET REPLACEMENTS
A65-80806

EFFECT OF TARGET SIZE, LUMINANCE, AND COLOR ON
MONOCULAR FIXATION A65-82202

TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION
ACCURACY IN ENVIRONMENT DEVOID OF DETAIL
NAVTRADEVEN-IH-13 N65-10260

VISUAL SEARCH FOR TARGETS
NAVWEPS-8406 N65-12535

PILOT PERFORMANCE TESTS TO ALIGN AIRCRAFT WITH
TARGET
AMRL-TR-64-87 N65-13998

VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554

TARGET ACQUISITION

VERTICAL ORIENTATION OF TARGET
NAVTRADEVEN-IH-19 N65-16753

TARGET DISCRIMINATION

EYE MOVEMENT PATTERNS AS FUNCTION
OF PREVIOUS TACHISTOSCOPIC PRACTICE
A65-80247

MAN-COMPUTER SYSTEM FOR TARGET DISCRIMINATION

PROBLEM SOLVING
AC-607520 N65-11817

POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING

RADAR TARGET DETECTION
AMRL-TR-64-82 N65-13995

TARGET RECOGNITION

SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL
SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH
SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY
A65-23787

VIGILANCE TASK PERFORMANCE AND INDICES OF
PHYSIOLOGICAL AROUSAL A65-80560

ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS
ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL
FIELD SIZE A65-80570

RECEIVER-OPERATING-CHARACTERISTIC CURVES FOR
RECOGNITION OF VISUAL PATTERNS A65-80614

OBJECT IDENTIFICATION ON BASIS OF EDGE AND SURFACE
CHARACTERISTICS A65-81008

SUBJECT INDEX

TECHNIQUE

OBJECT RECOGNITION AS FUNCTION OF NUMBER OF DIFFERENT VIEWS DURING TRAINING	A65-81088	REACTION TIME FOR TASKS INVOLVING ARM AND LEG MOVEMENTS	A65-80341 A65-80522
PATTERN PERCEPTION USING STABILIZED RETINAL IMAGE	A65-82104	IRRELEVANT INFORMATION - EFFECT ON LEARNING COMPLEX AUDITORY DISCRIMINATION TASK	A65-80852
SCANNING RATE FOR MULTIPLE TARGETS	A65-82339	REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE DURATION AND TASK COMPLEXITY	A65-81042
SPEED AND ACCURACY OF TARGET RECOGNITION BY NAVIGATORS USING SIDE-LOOKING RADAR DURING AERIAL RECONNAISSANCE	AMRL-TR-64-101 N65-14001	VISUAL PATTERN DISCRIMINABILITY AS FUNCTION OF FIGURE COMPLEXITY	A65-81664
RADAR TARGET DETECTION BY TRAINED AND UNTRAINED OPERATORS	AD-455767 N65-16422	NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER TWO CODING CONDITIONS	A65-82113
AIR TO GROUND TARGET RECOGNITION - TELEVISION CAMERA LENS FIELD OF VIEW EFFECT	T5-133/3111 N65-22869	TEAM-TRAINING EFFECTIVENESS AS FUNCTION OF TASK COMPLEXITY, ORGANIZATION AND SKILL IN SIMULATED RADAR CONTROLLED AERIAL INTERCEPT TASK	A65-82173
AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED AND TIME-TO-GO INFORMATION EFFECT	T5-134/3111 N65-22870	PURSUIT AND COMPENSATORY TRACKING PERFORMANCE WHILE VARYING TASK MODE, CONTROL-DISPLAY DISPLACEMENT FUNCTION, AND TARGET VELOCITY	A65-82361
VISUAL DETECTION OF GROUND TARGETS FROM AIRCRAFT	NOTS-TP-3645 N65-26145	SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK COMPLEXITIES FOR OPERATIONAL CREWS	NASA-CR-146 N65-14449
LABORATORY SIMULATION EXPERIMENT TO DETERMINE EFFECT OF TARGET TYPE AND GROUND SPEED ON AIR-TO-GROUND TARGET RECOGNITION	T5-990/3111 N65-29239	TRANSFER OF TRAINING IN PERFORMANCE OF DYNAMIC TRACKING TASKS OF VARYING COMPLEXITY IN ADAPTIVE AND NONADAPTIVE MODES - PSYCHOLOGY	NAVTRADEVEN-1395-1 N65-16106
VISUAL TARGET DETECTION - DEVELOPMENT OF AIR TO GROUND DETECTION/IDENTIFICATION MODEL - BIOTECHNOLOGY	HSR-RR-65/4-DT N65-35430	INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR PERFORMANCE - SIGNAL DETECTION AND TASK COMPLEXITY	AD-605713 N65-25770
VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY INSTRUCTED TARGET CHARACTERISTICS	T-125 N65-36786	AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM	NASA-CR-67080 N65-33972
TASK		RELATIONSHIP BETWEEN PERCEPTION ORIENTATION AND COMPENSATORY TASK PERFORMANCE	RM-260J N65-36206
SA AUDITORY TASK		TAYLOR MANIFEST ANXIETY SCALE	
SA VISUAL TASK		GENERAL ANXIETY EFFECT AS INDEX OF LABILITY ON PERFORMANCE OF PSYCHOMOTOR TASKS USING TAYLOR MANIFEST ANXIETY SCALE - FACTOR ANALYSIS	A65-80021
EFFECTS OF DEGREE OF LEARNING AND DEGREE OF SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF TRAINING	AMRL-TR-64-96 N65-14000	PURSUIT ROTOR PERFORMANCE, PACING, AND MANIFEST ANXIETY	A65-80575
USE OF TRACKING TASKS AS INDICATORS OF STRESS - ZERO INPUT TRACKING ANALYSIS	AD-450861 N65-14679	MANIFEST ANXIETY - FACTORIAL STUDY	A65-81562
METHODOLOGY FOR USE WITH OPERATIONS SIMULATION FOR CRITICAL TASK-PERFORMANCE VARIABLES	SP-1761/000/00 N65-15317	VARIABILITY IN FLICKER FUSION FREQUENCY RELATED TO COGNITIVE CONTROL AND ATTENTION	A65-81758
PROCEDURAL CONSTRAINT AND TASK PERFORMANCE - ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING	ESD-TR-64-663 N65-22466	COMPETITIVE AND NONCOMPETITIVE PERFORMANCE IN RELATION TO ACHIEVEMENT MOTIVE AND MANIFEST ANXIETY	A65-82176
CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM PERIODICITY EFFECTS ON TASK PERFORMANCE IN INDUSTRY	AD-611788 N65-22678	TEACHING MACHINE	
FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING DEVICES FOR FIXED PROCEDURES TASKS	TR-65-4 N65-30134	PROGRAMMED INSTRUCTION AND TEACHING MACHINES	OAR-64-10 N65-10496
TASK COMPLEXITY		HUMAN ENGINEERING IN DESIGN OF TEACHING MACHINES	ESD-TDR-64-454 N65-14525
EFFECTS OF INSTRUCTIONS ON WIRING TASK ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM CONTROL PANEL	A65-18289	MACHINES AND VISUAL AIDS IN TEACHING	JPRS-29204 N65-19327
PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR ORBITAL MAINTENANCE AND TASK PERFORMANCE IN SIMULATED SPACE ENVIRONMENT	A65-19842	FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED PROGRAMMED INSTRUCTION	AMRL-TR-65-78 N65-30119
PERFORMANCE ON COMPLEX INFORMATION-PROCESSING TASK AS FUNCTION OF INSTRUCTIONAL SET AND CHOICE OF SUBJECTIVE CRITERION	A65-80243	TECHNIQUE	
TASK COMPLEXITY AND PRACTICE - EFFECTS ON PERFORMANCE AFTER LOSS OF SLEEP		S CULTURE TECHNIQUE	
		S EMERGENCY BREATHING TECHNIQUE	
		S SCREENING TECHNIQUE	

TECHNOLOGY /GEN/
SA AEROSPACE TECHNOLOGY
SA BIOTECHNOLOGY

BIONICS - BASIC PROBLEMS AND TECHNOLOGY
JPRS-27635 N65-12055

SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA -
FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY
JPRS-29641 N65-23371

PASTEURIZATION OF FRUITS BY IRRADIATION FOR
REDUCING SPOILAGE AND EXTENDING MARKET LIFE -
FOOD TECHNOLOGY
TID-21710 N65-27607

TELECOMMUNICATION

MENTAL TELEPATHY AS MEANS FOR TELECOMMUNICATION
FTD-TT-65-366/164 N65-30448

TELEMETRY

SA PHYSIOLOGICAL TELEMETRY

TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART
RATE AND RESPIRATORY MOVEMENTS A65-80714

MINIATURE BIOPOTENTIAL TELEMETRY SYSTEM
A65-82204

BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733

TRANSMISSION OF MEDICAL INFORMATION OVER TELEMETRY
CHANNELS OF LIMITED CAPACITY N65-13640

BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK
BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR
RECORDING BIOLOGICAL DATA DURING MOVEMENT AND
ACTIVITY
FTD-MT-64-416 N65-22425

BIOLOGICAL APPLICATION OF TELEMETRY TECHNIQUES -
BIOTELEMETRY
NASA-SP-5023 N65-34001

USE OF TELEMETRY IN INTENSIVE-CARE WARDS
N65-34002

APPLICATION OF SPACE TELEMETRY TO SURGICAL
TECHNIQUES N65-34003

DIAGNOSTIC MONITORING IN OFFICE PROCEDURES -
BIOTELEMETRY N65-34004

TELESTIMULATOR SYSTEMS FOR OBSERVATION OF
PHYSIOLOGICAL RESPONSES OF SUBJECTS RECEIVING
ELECTRIC STIMULATION OF BRAIN N65-34005

APPLICATION OF TELEMETRY SYSTEMS TO BIOLOGICAL
STUDY DUE TO MICROMINIATURIZATION
N65-34006

TELEVISION CAMERA

ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION
CAMERA AND CALIBRATED MONITOR
CRDL-TM-2-3 N65-22392

AIR TO GROUND TARGET RECOGNITION - TELEVISION
CAMERA LENS FIELD OF VIEW EFFECT
TS-133/3111 N65-22869

TELEVISION EQUIPMENT

SYMBOLS FOR HIGH RESOLUTION VIDEO MAPS,
CONSIDERING AERONAUTICAL AND NATURAL OR ARTIFICIAL
CONFIGURATIONS A65-21613

TELEVISION TRANSMISSION

PSEUDO-RANDOM DOT SCAN TELEVISION SYSTEMS
AD-463037 N65-31833

EFFECT OF VERTICAL SYMBOL RESOLUTION ON SPEED OF
IDENTIFICATION OF TELEVISION LETTERS AND NUMBERS
RADG-TR-65-239 N65-34571

TEMPERATURE

S ATMOSPHERIC TEMPERATURE
S BODY TEMPERATURE /BIOL/
S ENVIRONMENTAL TEMPERATURE

TEMPERATURE CONTROL

SA SKIN TEMPERATURE /BIOL/

SPACE SUIT DESIGN FOR THERMAL ENVIRONMENT CONTROL
DURING EXTRAVEHICULAR TASKS A65-10695

HEAT TRANSFER FLUIDS IN COLD PLATE HEAT EXCHANGER
COMPARED IN TERMS OF RELATIVE FLOW AND PUMPING
POWER REQUIREMENTS
AICE PREPRINT 54C A65-15253

SPACECRAFT CABIN ENVIRONMENT CONTROL OF ATMOSPHERE
AND TEMPERATURE, DESCRIBING OXYGEN REGENERATION
SYSTEM USING ZEOLITE BEDS AND SILICA GEL
A65-33615

TEMPERATURE DIFFERENCE

HUMAN SKIN SENSITIVITY TO TEMPERATURE DIFFERENCE
NASA-CR-57207 N65-18938

TEMPERATURE EFFECT

SA HEAT EFFECT

TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON
TEMPERATURE INCREASE, NOTING AROUSAL LEVEL
A65-16558

TEMPERATURE EFFECT ON PROTON MAGNETIC RESONANCE
SPECTRA OF RIBONUCLEASE, OXIDIZED RIBONUCLEASE
AND LYSOZYME A65-18031

ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF
PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF
POCKET MICE A65-19519

MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON
VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY
MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT
TEMPERATURE A65-30482

TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL
DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH
TEMPERATURE STRAIN CHLORELLA 7-11-05
A65-32939

APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND
GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED
IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS
A65-80266

TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630

DC RESTING POTENTIALS OF CAT AS AFFECTED BY
ELECTRIC AND THERMIC STIMULATION OF EFFERENT
VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE
A65-81379

EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN
ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY
FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN
ANIMALS N65-13633

TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART
FUNCTION N65-16625

PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941

EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674

TEMPERATURE MEASUREMENT

SA THERMOMETRY

SILICON DIODE CIRCUIT FOR ASSESSING THERMAL
ENVIRONMENT BY CONTINUOUS MEASUREMENT OF WET
BULB GLOBE THERMOMETER / WBGT/ INDEX
A65-21485

AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEYI/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499

- ELEVATION OF INTERNAL BODY TEMPERATURES DURING
TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1 N65-33342
- TENSION**
SA CARBON DIOXIDE TENSION
SA HYPERTENSION
SA HYPOTENSION
SA OXYGEN TENSION
SA SURFACE TENSION
- NEUROPSYCHIC TENSIONS IN PILOTS DURING AIRCRAFT
LANDINGS N65-13690
- MECHANISMS OF CONTROL OF CEREBRAL CIRCULATION AND
ARTERIAL CARBON DIOXIDE TENSION
NASA-CR-50682 N65-16430
- TEST**
S COLD WEATHER TESTING
S ELECTRONIC EQUIPMENT TESTING
S ENVIRONMENTAL TESTING
S FATIGUE TEST
S FLIGHT TEST
S FUNCTION TEST
S IMPACT TEST
S MATERIAL TESTING
S MISSILE TEST
S PROPELLANT TESTING
S PSYCHOLOGICAL TESTING
S VESTIBULAR TEST
S VIBRATION TESTING
- TEST BED**
HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-
SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING
BOEING HIGH ALTITUDE CHAMBER AS TEST BED
NASA-CR-134 N65-12076
- TEST CHAMBER**
STRESS FACTORS FOUND IN 120 DAY SEALED CHAMBER
TESTS
JPRS-28490 N65-15355
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL
MAMMALS IN GASEOUS TEST CHAMBER
NASA-CR-51657 N65-17056
- TEST FIRING**
PREDICTION AND VERIFICATION OF ROCKET PROPELLANT
TEST FIRINGS AS RELATED TO AIR POLLUTION
A65-80220
- TEST METHOD**
PHYSICAL AND PSYCHOPHYSIOLOGICAL TESTS USED IN
SOVIET UNION FOR ASTRONAUT SELECTION AND
TRAINING, NOTING SPACE FLIGHT RESULTS
A65-22928
- HUMAN ENGINEERING AND AEROSPACE MEDICINE AS
RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT,
ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION
AND EVALUATION TECHNIQUES A65-80138
- SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING
OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY
OF INVOLUNTARY MOVEMENTS A65-80173
- METHOD FOR MEASURING PERCEPTUAL MOTOR LOAD
A65-80349
- INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS
ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW
DETECTION METHOD A65-80390
- TESTING AND EVALUATING HEARING PROTECTORS
A65-81130
- MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY
DISEASE A65-81550
- STEP-TEST FOR INDUCING MAXIMAL WORK FOR
DETERMINING OXYGEN CONSUMPTION A65-81552
- CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING
COLD PRESSOR TEST A65-81600
- METHOD FOR DETERMINATION OF BLOOD DEHYDRASE
ACTIVITY IN LEAD POISONING A65-81621
- OXYGEN PARTIAL PRESSURE MEASUREMENT IN AQUEOUS
HUMOR AND LENS OF EYE OF ANIMAL - NEW TEST METHOD
A65-81727
- MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
SIGNIFICANCE IN AUDIOMETRY A65-81770
- COLOR VISION OF FLYING PERSONNEL TESTED BY
CHROMATOSCOPE TEST METHOD A65-81975
- OXYGEN TENSION MEASUREMENT TECHNIQUES BY DIRECT
INTRODUCTION OF ELECTRODES INTO TISSUES IN RAT
A65-81996
- PROBLEMS USING TEST METHODS FOR MEASURING SPEECH
DISCRIMINATION A65-82059
- RELIABILITY OF VISUAL ACUITY TESTING
A65-82230
- BRIGHTNESS ENHANCEMENT RELATED TO FLICKER FUSION
FREQUENCY AND AS FUNCTION OF OBSERVATIONAL
TECHNIQUE A65-82263
- CARDIAC OUTPUT DURING REST AND PHYSICAL EXERCISE
IN MAN RELATED TO DIFFERENT TEST METHODS
A65-82324
- NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN
AND RAT A65-82327
- STIMULUS PRESENTATION AND METHOD OF SCORING IN
SHORT TERM MEMORY EXPERIMENTS A65-82349
- TEST PROGRAM**
TEST PROGRAM FOR MANNED ORBITAL FLIGHT
SSD-TDR-64-213, V. 3, APP. I-B N65-15580
- TESTIS**
BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
- EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES
ON MORPHOLOGY OF WHITE RAT TESTES
N65-28703
- TETHERLINE**
MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM
TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE
AIAA PAPER 64-393 A65-14698
- EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT
USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR
ANGULAR MOMENTUM TRANSFER A65-35637
- TETRAETHYL**
TETRAETHYL LEAD TOXIC EFFECTS ON WATER BALANCE
A65-81745
- TETRATHIONATE**
TETRATHIONATE EFFECT ON STABILITY AND
IMMUNOLOGICAL PROPERTIES OF MUSCLE
TRIOSEPHOSPHATE DEHYDROGENASES
NASA-CR-56251 N65-19962
- THEORY**
S DECISION THEORY
S FIELD THEORY
S GESTALT THEORY
S GOAL THEORY
S GROUP THEORY
S INFORMATION THEORY
S MEMBRANE THEORY
S POTENTIAL THEORY
S PREDICTION THEORY
S PROBABILITY THEORY
S SET THEORY
- THERAPY**
SA BED REST
SA CHEMOTHERAPY
SA ELECTRONARCOSIS
SA PSYCHOTHERAPY
SA RADIATION THERAPY
SA SURGERY
- DIAGNOSIS, AND TREATMENT OF HUMAN RADIATION
INJURY AFTER WHOLE-BODY EXPOSURE WITH PROGNOSIS

THERMAL COMFORT

SUBJECT INDEX

- FOR LEUKEMIA A65-80165
- ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT A65-80166
- ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY IRRADIATION IN MAN A65-80167
- RETINITIS FROM OVEREXPOSURE TO SOLAR ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT A65-80267
- ORGANIZATION OF AN ARTIFICIAL RESPIRATION CENTER-THERAPY OF ACUTE CARBON MONOXIDE POISONING A65-80281
- TREATMENT OF ACUTE CARBON MONOXIDE POISONING A65-80283
- IRON THERAPY IN ACUTE CARBON MONOXIDE POISONING A65-80284
- HYPOTHERMIA IN TREATMENT OF ACUTE CARBON MONOXIDE POISONING A65-80290
- MECHANISM AND MANAGEMENT OF HYPERVENTILATION SYNDROMES A65-80408
- TUBERCULOSIS IN FLYING PERSONNEL OF POLISH AIR FORCE - FACTORS IN DEVELOPMENT AND TREATMENT A65-80445
- IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS A65-80494
- CLIMATIC CONTROL OF OUTDOOR AND INDOOR ENVIRONMENTS FOR SURVIVAL, COMFORT, AND THERAPY A65-80503
- CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF KEROSENE POISONING A65-80531
- PROPHYLACTIC AND THERAPEUTIC USES OF ULTRAVIOLET RADIATION IN X-RAY RADIATION DAMAGE IN ALBINO RATS A65-80593
- RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY HYPERBARIC OXYGENATION A65-80757
- TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY VARIOUS ORGANIC AND INORGANIC COMPOUNDS A65-81019
- TREATMENT OF OXYGEN TOXICITY IN RATS WITH DIMERCAPROL A65-81150
- TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING AND DRUGS A65-81186
- SUDDEN HEARING LOSS- TREATMENT AND CASE HISTORIES A65-81431
- OXYGEN BREATHING AS THERAPY FOR CARBON MONOXIDE POISONING A65-81511
- CASE HISTORY OF AEROEMBOLISM TREATED BY HYPOTHERMIA A65-81523
- ETIOLOGY AND TREATMENT OF EXPERIMENTAL DECOMPRESSION SICKNESS WITH SPECIAL REFERENCE TO BODY LIPIDS IN RATS A65-81585
- NATURE AND BIOPHYSICAL EFFECTS OF ULTRASOUND A65-81735
- KINETOSIN /A MIXTURE OF PROMETHAZINE, CAFFEINE, AND EPHEDRINE/ AS A MOTION SICKNESS DRUG A65-81740
- BACKACHE IN AIRPLANE AND HELICOPTER FLYING PERSONNEL RESULTING FROM ACCIDENTS, INCREASING AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY A65-81818
- OVERPRESSURE IN MIDDLE EAR AS RELATED TO VERTIGO OCCURRING IN DIVERS AND PREVENTIVE AND THERAPEUTIC MEASURES A65-82012
- TEAM APPROACH TO MEDICAL MANAGEMENT OF DECOMPRESSION SICKNESS IN AIRMEN A65-82033
- HEAD INJURIES AND TREATMENT AT CAPE KENNEDY MISSILE BASE A65-82079
- NURSING CARE IN CASES OF HEAD INJURY OF PERSONNEL AT CAPE KENNEDY MISSILE RANGE A65-82080
- DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE TO CARBON TETRACHLORIDE POISONING A65-82303
- PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY JPRS-28724 N65-17744
- HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF DAMAGED ENDOCARDIUM N65-17796
- MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH BRONCHIAL ASTHMA N65-17831
- MOUNTAIN CLIMATE THERAPY IN HYPERTENSION IN DOGS N65-17833
- HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED TO SCHIZOPHRENIA PATIENTS N65-17842
- X-RAY DIAGNOSIS, RADIOTHERAPY, AND NUCLEAR MEDICINE - RADIOLOGICAL PHYSICS N65-18086
- STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL CEREBRAL EDEMA IN MONKEYS SAM-TDR-64-56 N65-22075
- DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN U.S.S.R. N65-30222
- TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED SLEEP WITH ELECTRICITY JPRS-31347 N65-30711
- THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM JPRS-31837 N65-32380
- ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING MACHINE NASA-TT-F-9743 N65-36895
- THERMAL COMFORT
 - THERMAL COMFORT STANDARDS AND PERFORMANCE RELATED TO CLIMATE A65-80902
 - THERMAL COMFORT STANDARDS INFLUENCED BY GROUP DIFFERENCES A65-80972
- THERMAL EFFECT
 - ANALYSIS OF FACTORS OF LASER RADIATION PRODUCING RETINAL DAMAGE BY THERMAL INJURY A65-81094
 - MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT SKIN A65-81278
 - THERMAL EFFECT OF SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS OF SUPERHIGH FREQUENCY FIELD DOSIMETRY N65-28705
 - ELEVATION OF INTERNAL BODY TEMPERATURES DURING TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM REPT.-1 N65-33342
- THERMAL ENERGY
 - ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS RELATED TO NUTRITION AND WASTE N65-18602
- THERMAL ENVIRONMENT
 - SA HIGH TEMPERATURE ENVIRONMENT
 - SPACE SUIT DESIGN FOR THERMAL ENVIRONMENT CONTROL DURING EXTRAVEHICULAR TASKS A65-10695
 - HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT

SUBJECT INDEX

THIN LAYER CHROMATOGRAPHY

- EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT ENVIRONMENT A65-24076
- HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING HEART RATE A65-28377
- HEAT ABSORBING CAPABILITIES OF ENVIRONMENT, EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND SWEAT RATE A65-28378
- VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT THERMAL ENVIRONMENT AECL-2123 N65-15634
- THERMAL PROPERTY**
THERMAL EVALUATION OF FOOTGEAR ASSOCIATED WITH FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT AAL-TR-64-25 N65-33319
- THERMAL PROTECTION**
LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING ATMOSPHERE AND THERMAL CONTROL, RADIATION PROTECTION AND WATER AND WASTE RECOVERY A65-13099
- THERMAL EQUILIBRIUM OF APOLLO MISSION EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT A65-23618
- PILOTS ABILITY TO OPERATE A4D ELF FLASH BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS OF SAFETY A65-26170
- THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH ALTITUDE A65-80119
- PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY MECHANICS A65-81035
- VENTILATED CLOTHING AND UMBRELLA TO PROTECT INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION A65-81789
- FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION, STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND BALLAST N65-18600
- SOLUTIONS FOR PROTECTION OF SOLDIERS EXPOSED TO EXTREME COLD WEATHER CONDITIONS IN ARCTIC AD-613189 N65-25924
- ARCTIC SURVIVAL SHELTER HAVING HIGH THERMAL PROTECTION - DESIGN AND MATERIAL TESTING RESULTS N65-29757
- THERMAL RADIATION**
SA INFRARED RADIATION
- SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL CHARACTER AND ENERGY LEVEL A65-14231
- BLACK BODY AND THERMAL RADIATION FROM NUCLEAR WEAPONS IN RELATION TO FLASH BLINDNESS A65-26169
- TOPOGRAPHICAL STUDY OF THERMAL RADIATION PROPERTIES OF HUMAN SKIN IN VIVO A65-80006
- THERMAL RADIATION OF SKIN AS FUNCTION OF PERIPHERAL CIRCULATION AND COOLING IN MAN A65-80007
- THRESHOLD INTENSITIES OF THERMAL RADIATION EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE AND FEMALE SUBJECTS A65-80029
- SKIN TEMPERATURE RESPONSES TO OPTICALLY FILTERED INTENSE THERMAL RADIATION A65-80140
- HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE, AIR VELOCITY, AND EXERCISE A65-81914
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING INTENSE THERMAL RADIATION EXPOSURE A65-81915
- FLIGHT CREW UNIFORMS EXPOSED TO THERMAL RADIATION AD-453922 N65-18468
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING EXPOSURE TO INTENSE THERMAL RADIATION DASA-1566 N65-28921
- PROPERTIES OF TEXTILES USED FOR THERMAL RADIATION PROTECTION TS-132 N65-31974
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE DIFFUSE THERMAL RADIATION EXPOSURE AMRL-TR-65-64 N65-35045
- THERMAL SIMULATION**
THEORETICAL BASES, ANALYTICAL RELATIONSHIPS AND PROGRAMMING METHODS FOR DIGITAL COMPUTER MODEL OF HUMAN BIOTHERMAL SYSTEM AIAA PAPER 65-500 A65-29668
- THERMAL STRESS**
SA HEAT STROKE
- SILICON DIODE CIRCUIT FOR ASSESSING THERMAL ENVIRONMENT BY CONTINUOUS MEASUREMENT OF WET BULB GLOBE THERMOMETER / WBGT/ INDEX A65-21485
- THERMODYNAMIC EQUILIBRIUM**
COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES A65-30593
- THERMOLUMINESCENCE**
THERMOLUMINESCENT DOSIMETRY USED TO MEASURE TOTAL BODY IRRADIATION N65-25665
- THERMOMETRY**
SA TEMPERATURE MEASUREMENT
- HEAT ABSORBING CAPABILITIES OF ENVIRONMENT, EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND SWEAT RATE A65-28378
- THERMONUCLEAR EXPLOSION**
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE NUCLEAR DETONATIONS A65-14240
- THERMORECEPTOR**
THERMORECEPTOR RESPONSE OF MONKEY AS AFFECTED BY MODERATE CHANGE IN CUTANEOUS TEMPERATURE A65-80102
- SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL A65-80323
- EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM ON THERMORECEPTORS OF HUMAN SKIN A65-80715
- BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS NASA-CR-63145 N65-25270
- THERMOSTABILITY**
ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE A65-80796
- THERMOSTAT**
PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF HUMAN BODY LOCATED IN FRONT SECTION OF HYPOTHALAMUS A65-25075
- THIN LAYER CHROMATOGRAPHY**
AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR RADIOASSAY OF THIN LAYER CHROMATOGRAM N65-25668

THIOL

THIOL

SA TETRATHIONATE

ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/

A65-80169

THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS

N65-18387

THIURONIUM

S PSEUDOURA

THORAX

THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED
FROM THORACIC CIRCUMFERENCE, INTRATHORACIC
PRESSURE AND PULMONARY VOLUME RELATIONSHIPS

A65-23231

TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT

A65-26531

BREATHING MECHANICS - COMPLIANCE AND RESISTANCE
IN NORMAL LUNG AND THORAX

A65-80184

PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA

A65-81120

MECHANICAL PROPERTIES OF LUNGS AND THORAX AND
CHEMICAL CONTROL OF RESPIRATION

A65-82020

RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING

A65-82220

PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS

N65-17306

BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS

N65-22476

MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE - MUSCULAR-
SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT
FEMALE CHIMPANZEE

N65-27544

DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS
DURING POSITIVE PRESSURE BREATHING

N65-30345

MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS

N65-36722

THORIUM

THORIUM DAUGHTER ISOTOPE ACTIVITIES IN THOROTRAST
PATIENTS

N65-18087

SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING
OF THORIUM AND ITS COMPOUNDS

N65-26596

THRESHOLD

SA NOISE THRESHOLD

THRESHOLD INTENSITIES OF THERMAL RADIATION
EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE
AND FEMALE SUBJECTS

A65-80029

THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION

N65-36425

SUBJECT INDEX

THRESHOLD SHIFT

MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD
DETERMINATION AND REVERIE EFFECTS ON TEMPORARY
THRESHOLD SHIFT ON AUDITORY FATIGUE

A65-25856

RELATIONSHIPS FOR TEMPORARY THRESHOLD SHIFTS
PRODUCED BY THREE DIFFERENT NOISE SOURCES

A65-81417

THROAT

SA LARYNX
SA THYROID

INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS

A65-82298

THRUST CONTROL

PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK
USING DIFFERENT THRUST CONTROL SYSTEMS

N65-20398

THYMUS

PROTECTION OF LYMPHOCYTES IN THYMUS OF
X-IRRADIATED RATS BY CYSTEAMINE

A65-81235

PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND
X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC
ACID SYNTHESIS IN ANIMAL CELLS

N65-23458

THYROID

COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID
GLAND FUNCTION IN RATS

A65-80712

THYROID GLAND ACTIVITY IN HEDGEHOG ERINACEUS
EUROPAEUS DURING HIBERNATION

A65-81472

EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID
ACTIVITY AND IODINE 131 METABOLISM IN MESOCRICETUS
AURATUS

A65-81594

THYROID SECRETION RATE AND FECAL ELIMINATION IN
COLD ACCLIMATED RAT

A65-81605

CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND
RESPIRATION WITH NORMAL AND DEPRESSED THYROID
GLAND FUNCTIONING IN MOUNTAIN CONDITIONS

N65-17825

SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT
THYROID TUMORS

N65-23729

BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF
RADIOIODINE ISOTOPE DOSAGE TO THYROID

N65-24727

STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131

N65-36615

TIME

S FLIGHT TIME
S LIFETIME
S REACTION TIME
S REAL TIME

TIME DEPENDENCY

TIME-EFFECT CURVES FOR IRRADIATION OF DORMANT PEA
SEEDS WITH VARIOUS MOISTURE CONTENTS FOR
DETERMINING AMOUNT OF DAMAGE

N65-26385

TIME DISCRIMINATION

TIME ESTIMATION - PHYSIOLOGICAL AND ANATOMICAL
BASES

A65-80053

THRESHOLDS OF CRITICAL FUSION FREQUENCY
AND APPARENT MOTION AS AFFECTED BY CHANGES
IN FINGER-TAPPING RATE IN TIME

A65-80248

TIME ESTIMATION- METHODOLOGICAL CONSIDERATION
OF POSITIVE FEEDBACK TECHNIQUE

A65-80257

TIME JUDGMENT CORRELATED WITH PULSE RATE

A65-80258

ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES

SUBJECT INDEX

TIME FACTOR

TO LIGHT FLASH	A65-80643	COMPATIBLE AND INCOMPATIBLE INSTRUCTIONS	A65-80863
SUPPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME ESTIMATION, MEMORY, AND REACTION TIME	A65-80951	COLOR DISCRIMINATION AS FUNCTION OF EXPOSURE TIME	A65-81017
JUDGMENT OF DURATION OF TONES AS FUNCTION OF INTENSITY	A65-81005	REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE DURATION AND TASK COMPLEXITY	A65-81042
LEARNING AND RETENTION IN ESTIMATION OF SHORT TIME INTERVALS	A65-81006	SIMPLIFICATION OF CLINICAL CALORIC TEST FOR VESTIBULAR FUNCTION WITH REDUCTION IN PERFORMANCE TIME	A65-81046
TIME JUDGMENT- COMPARISON OF METHODS OF REPRODUCTION AND ESTIMATION	A65-81031	TEMPORAL EFFECTS IN SIMULTANEOUS MASKING BY WHITE NOISE BURSTS	A65-81077
PERSONALITY, TIME ESTIMATION, AND TIME EXPERIENCE	A65-81317	FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS	A65-81093
KNOWLEDGE OF RESULTS IN TIME ESTIMATING TASK	A65-81319	CORE TEMPERATURE INFLUENCE UPON DURATION OF HIBERNATION OF GROUND SQUIRREL, CITELLUS LATERALIS	A65-81139
WEBER-FECHNER LAW AND DIFFERENTIAL SENSITIVITY IN PERCEPTION OF TEMPORAL INTERVALS	A65-81360	A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM- SAFE OPERATION TIME AS AFFECTED BY SIZE OF SUBJECTS PERFORMING TRACKING PROBLEM UNDER ACCELERATION STRESS	A65-81373
TIME ESTIMATION AND FUTURE TIME PERSPECTIVE IN MALE AND FEMALE	A65-81642	EFFECT OF EXPOSURE TIME ON INDUCED COLOR	A65-81420
IMPORTANCE OF TIME AND ITS SUBJECTIVE SPEED	A65-81752	VISUAL PERCEPTION OF MOVEMENT IN ABSENCE OF EXTERNAL FRAME OF REFERENCE - TIME AND VELOCITY FACTORS	A65-81577
TIME DISCRIMINATION OF SUBJECTS DURING SENSORY DEPRIVATION	A65-81802	GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME, LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON PHOTOSYNTHESIS	A65-81590
TIME PERSPECTIVE - TIME PERCEPTION RELATIONSHIP	A65-81856	EFFECT OF INCREASED LEAD-IN TIME ON KINETIC VISUAL ACUITY DURING TARGET TRACKING	A65-81684
TIME PERCEPTION STUDIED BY ELABORATION OF CONDITIONED REFLEX TO GIVEN TIME INTERVAL	A65-81951	DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO DURATION AND EXTENT OF DECOMPRESSION	A65-81731
SUBJECTIVE TIME MEASUREMENT DURING TASKS WITH DIFFERENT INFORMATION CONTENT	A65-81954	TIME INTENSITY RELATIONS IN BINAURAL UNMASKING- INTERAURAL AMPLITUDE, THEORETICAL PREDICTIONS AND LATERALIZATION	A65-81741
TIME ESTIMATION AND INCREASES IN BODY TEMPERATURE	A65-81987	AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING AUDIOMETRY IN SELECTING FLYING PERSONNEL	A65-81830
RORSCHACH CORRELATES OF TIME ESTIMATION	A65-82087	INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE PERIOD.	A65-82051
STORAGE OF TIME INFORMATION IN STUDY OF REACTION TIME TO PERIODIC STIMULI IMPAIRED BY SIMULTANEOUS PERFORMANCE OF SECOND TASK	A65-82341	MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS RELATED TO RADIATION INTENSITY AND EXPOSURE TIME	A65-82061
TIME ESTIMATION AS INDICATOR OF ATTENTION AND/OR AROUSAL IN VIEWING COMPLEX AND MEANINGFUL STIMULI	A65-82345	PHYSICAL PERFORMANCE OF NAVAL AVIATOR TRAINEES FROM VARIOUS PROCUREMENT SOURCES AS RELATED TO DURATION OF TRAINING SYLLABUS	A65-82117
INTERSENSORY DISCRIMINATION OF SIGNAL DURATION USING VISUAL AND AUDITORY SIGNALS	N65-21479	SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY OCCUPATIONAL EXPERIENCE	A65-82122
ATTENTION THEORY AND PARAMETER MEASUREMENTS OF HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY INFLUENCE ON REACTION TIME	N65-23170	MENTAL PERFORMANCE AND TOLERANCE TO THERMAL STRESS DURING VARIOUS EXPOSURE DURATIONS	A65-82123
TIME FACTOR		DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF ARGON, HELIUM, OXYGEN, AND NITROGEN	A65-82159
SA REFRACTORY PERIOD		RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED BY ACCELERATION	A65-82207
ELECTROENCEPHALOGRAM CHANGES IN CHEMICAL FACTORY WORKERS FOLLOWING CARBON DISULFIDE POISONING AS RELATED TO TIME SINCE LAST EXPOSURE AND AGE	A65-80229	KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD PLASMA DURING EARLY PERIOD OF STARVATION IN MAN	A65-82249
POSTERIODANTERIAL TRANSVERSE ACCELERATION OF MAXIMAL DURATION	A65-80393		
TIME COURSE OF DECLINE IN SWEATING PRODUCED BY IMMERSION IN WARM WATER	A65-80510		
MOTION ELEMENT SYNTHESIS REASSESSED	A65-80568		
U-SHAPED BACKWARD MASKING FUNCTION IN VISION	A65-80687		
CHOICE REACTIONS TO TACTUAL STIMULATION WITH			

TIME FUNCTION

SUBJECT INDEX

- INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL ACTIVITY IN SENSORY PERCEPTION A65-82267
- ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN EYES OF CATS DURING LIGHT AND DARK ADAPTATION. A65-82353
- TIME FACTOR IN RETAINING CONSCIOUSNESS DURING RAPID EMERGENCY DESCENT TO LOWER ALTITUDE N65-13689
- TIME FACTOR INITIATING FREEZING AND ICE PENETRATION AND FORMATION IN MOUSE LIMB TISSUE AAL-TDR-63-27 N65-17910
- PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT UNDER SPACE AND TIME LIMITATIONS NAEC-ACEL-527 N65-21059
- EFFECT OF EXPOSURE TIME AND INTENSITY ON FORM IDENTIFICATION - DISPLAY SYSTEMS RADC-TR-65-16 N65-22252
- TIME FUNCTION
THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION OF TIME-VARYING HUMAN OPERATORS ENGAGED IN TRACKING TASK A65-35475
- VIGILANCE PERFORMANCE IN MULTICHANNEL MONITORING A65-80348
- TIME RESPONSE
CHARACTERISTICS OF SWITCH ACTUATORS FOR COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE, NOTING RESPONSE TIME AND ERROR A65-35473
- OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME OF HUMAN PERFORMANCE NASA-CR-170 N65-17326
- AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED AND TIME-TO-GO INFORMATION EFFECT T5-134/3111 N65-22870
- TIME SERIES
CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN N65-28756
- TISSUE
SA ADIPOSE TISSUE
SA CONNECTIVE TISSUE
- APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS A65-80266
- PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND VARIOUS ORGANS IN RATS A65-80394
- DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN TISSUES AFTER MECHANICAL INSULT IN RODENTS A65-80395
- MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE REGENERATION IN MOUSE A65-80421
- FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING MITOSIS, IN TISSUE CULTURES A65-80540
- INTERACTION OF LASER RADIATION WITH BODY TISSUES A65-81092
- TISSUE AND BLOOD SATURATION WITH BIOTIN IN RELATION TO CHARACTER OF MUSCULAR WORK A65-81963
- CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE TO IONIZING RADIATION AND HYPOTHERMIA IN RATS A65-82028
- BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL VIBRATION STRESS AMRL-TDR-64-58 N65-10467
- EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE IN TISSUE AND EARLY RADIATION DAMAGE TO HISTHEMATIC BARRIERS FTD-TT-64-644/1 N65-11100
- REDUCTASE ACTIVITY AND SULFHYDRYLS IN DEHYDROGENASE HISTOCHEMISTRY OF HUMAN GINGIVA SAM-TDR-64-48 N65-12007
- MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE AAL-TDR-63-26 N65-12189
- RADIATION DOSAGE FOR HUMAN ORGANS AND TISSUES N65-12628
- PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO CENTRIPETAL ACCELERATIONS N65-13768
- VIBRATION EFFECTS ON HUMANS AND ANIMALS, OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES, VIBRATION ABSORBERS FOR WORKER PROTECTION, AND FREON GAS TOXICOLOGY JPRS-28721 N65-16207
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION - LINEAR ENERGY TRANSFER SPECTRUM OF HETEROGENEOUS PROTON BEAM NASA-CR-51826 N65-16483
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION IN SPACE NASA-CR-50471 N65-16484
- PROTON IRRADIATION EFFECT ON LIVING TISSUE NASA-CR-52679 N65-17289
- POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING ORGANISM N65-17768
- OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE IN HYPERTENSION OF ARTERY N65-17787
- HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION OBSTRUCTION BY HEART TISSUE N65-17788
- TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM IRRADIATED RATS JPRS-28981 N65-17890
- TIME FACTOR INITIATING FREEZING AND ICE PENETRATION AND FORMATION IN MOUSE LIMB TISSUE AAL-TDR-63-27 N65-17910
- STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL - DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY IMPACT NASA-CR-62440 N65-22653
- BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING TISSUES AND ORGANISMS AED-C-04-16 N65-22844
- REPARATIVE REGENERATION OF VARIOUS TISSUES OF ANIMALS UNDER EFFECT OF IONIZING RADIATION JPRS-29904 N65-23052
- BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE NASA-TT-F-9338 N65-23678
- SCIENTIFIC CONFERENCE - POLAROGRAPHIC DETERMINATION OF OXYGEN METABOLISM IN TISSUES N65-24878
- OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND PETROLEUM GAS WITH HYDROGEN SULFIDE JPRS-30443 N65-25425
- POSSIBLE MECHANISM OF ELECTRICAL ASSYMETRY OF TISSUES JPRS-30634 N65-26128
- IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE OXYGEN TENSION JPRS-30818 N65-27028

SUBJECT INDEX

TOXICITY

- PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL
STRUCTURES OF HOMOGENEOUS EXCITED TISSUE
N65-27244
- THEORETICALLY CALCULATED VALUES OF IONIZATION
INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND
COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3
N65-29924
- BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY
CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE
AMRL-TR-65-11
N65-30036
- RADIATION DEPTH DOSE FROM INCIDENT ISOTROPIC FLUX
OF MONOENERGETIC PROTONS IN ARBITRARY SIZE
SPHERES WITH TISSUE-EQUIVALENT MATERIAL
UCRL-10980
N65-32064
- THEORETICAL EVALUATION OF ABSORBED RADIATION DOSE
IN TISSUE - EFFECTS OF SHELL CORRECTIONS TO
STOPPING POWER IN DOSE STUDIES
ORNL-P-659
N65-32829
- TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY
NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997
N65-33865
- CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION
FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY
N65-34596
- PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS
N65-34611
- CALCULATION OF PROTON PENETRATION AND DOSE RATES
FOR TISSUE, ALUMINUM, AND OTHER SHIELDING
MATERIALS
N65-34630
- HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO
COLD
AAL-TDR-64-9
N65-35630
- REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117
- TITAN II ICBM
AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY
A65-82239
- TITANIUM OXIDE
MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT
N65-18787
- TOBACCO
DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL
A65-80896
- TOBACCO EFFECT ON DETECTION TIME AND RECOVERY TIME
AFTER GLARE
A65-81884
- ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL
GROWTH OF TOBACCO STEM SEGMENTS
NASA-CR-59238
N65-32090
- TOCOPHEROL
SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION
A65-82358
- TOLERANCE /BIOL/
SA COLD TOLERANCE /BIOL/
SA HUMAN TOLERANCE
- FACTORS IN ESTABLISHING TOLERANCE LEVELS IN IMPACT
TO HUMAN BODY AND PROTECTION OF SEAT CUSHION AND
HELMET - ACCELERATION STRESS
A65-80023
- POSTERIOANTERIAL TRANSVERSE ACCELERATION OF
MAXIMAL DURATION
A65-80393
- TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN
A65-80676
- EFFECT OF EXTREMITY CUFF TOURNIQUETS ON TILT TABLE
TOLERANCE AFTER WATER IMMERSION
A65-81065
- MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY
DISEASE
A65-81550
- EFFECT OF COMBINED ACTION OF NOISE AND VIBRATION
ON VIBRATION SENSITIVITY IN ADOLESCENTS
A65-82245
- EFFECT OF SYSTEMATIC TRAINING ON TOLERANCE OF
WHITE RATS TO PROLONGED HYPODYNAMIA AND
ISOLATION
N65-13775
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM
N65-16405
- EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178
N65-21159
- TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW
MEMBERS OF SPACECRAFTS
NASA-TT-F-9589
N65-35524
- TO NE
RELATIONSHIP OF PURE TONES TO SPEECH RECEPTION
THRESHOLD
A65-81240
- STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND
REACTION TIME IN DETERMINING AUDITORY NEURAL
LESIONS
A65-82270
- TOOL
OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS
N65-10121
- TOOTH
TOOTHACHE PROVOKED BY LOWERED BAROMETRIC PRESSURE
DURING FLIGHT- CASE HISTORIES OF FLYING PERSONNEL
A65-81435
- TOOTHACHES DURING AIRCRAFT FLIGHT- BAROTRAUMA AND
PREDISPOSING FACTORS PRODUCING PAIN
A65-81437
- AERODONTALGIA - ETIOPATHOGENIC INTERPRETATION
A65-81827
- TOPOGRAPHY
MULTICHANNEL TOPOSCOPE AS COMPUTER INTERFACE
IN STUDY OF EEG
N65-28765
- TOPOLOGY
TOPOLOGICAL ASPECTS OF DATA PROCESSING RELATED
TO ELECTRICAL ACTIVITY OF BRAIN
N65-28754
- TOUCH
INTERMODAL DIFFERENCES IN PERCEPTUAL
DELAY AND SPEED OF READING AND TAPPING
A65-80259
- TOXICITY
SA OXYGEN TOXICITY
- BORON COMPOUNDS TOXIC EFFECTS ON PLANTS, ANIMALS
AND HUMAN BEINGS
A65-26163
- MECHANISM OF TOXIC ACTION OF CARBON MONOXIDE AND
OXYGEN TREATMENT
A65-80295
- GENERAL ADVERSE EFFECTS AND VARIOUS PHYSIOLOGICAL
RESPONSES OF OXYGEN AT HIGH TENSION - A REVIEW
A65-80364
- CONVULSIONS IN PILOT FOLLOWING DRUG WITHDRAWAL
A65-80387
- PSYCHOLOGICAL EFFECTS OF EXPOSURE TO CARBON
DISULFIDE
A65-80392
- TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND
TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND
MONKEYS BREATHING RELATIVELY PURE OXYGEN
A65-80581
- TOXICITY OF SYNTHETIC, ETHYLATED AND SOME AVIATION

TOXICITY AND SAFETY HAZARD

SUBJECT INDEX

- GASOLINES A65-80589
- ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC, AND TOXICOLOGIC OBSERVATIONS A65-80820
- TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY VARIOUS ORGANIC AND INORGANIC COMPOUNDS A65-81019
- METHYLENE BLUE IN TREATMENT OF DECABORANE TOXICITY IN RABBIT A65-81034
- VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY A65-81089
- HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE RESPIRATORY PATTERN OF VARIOUS METABOLIC SUBSTRATES IN RATS A65-81131
- AIR FORCE RESEARCH ON TOXICITY OF MATERIALS POSSIBLY CONTAMINATING SPACE CABINS A65-81161
- SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN RAT AS COMPARED TO MOUSE A65-81888
- CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL NERVOUS SYSTEM IN ALBINO RATS A65-82243
- TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST ON WHITE RATS N65-11460
- PYRIDOXINE TOXICITY IN ANIMALS AND CLINICAL USES OF PYRIDOXINE IN HIGH AND PROLONGED DOSES IN MAN WITH REGARD TO ITS POSSIBLE TOXIC EFFECTS AMRL-TR-64-106 N65-14004
- THIOL PRETREATMENT AND BONE MARROW TRANSPLANT EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL DOSES OF IONIZING RADIATION IN MONKEYS N65-18387
- ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT, GROSS SENSITIZATION INDEX, AND GROSS SKIN TOXICITY OF DEVELOPMENT MATERIALS AMRL-TR-64-120 N65-18967
- TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES IN INDUSTRY JPRS-29913 N65-23145
- PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS N65-28296
- TOXIC EFFECTS OF PENTABORANE AND DECABORANE ON ANIMALS - COMPARISON WITH RESERPINE AMRL-TR-65-49 N65-30346
- ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH UPON MICE AND RATS AMRL-TR-65-48 N65-31081
- EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING GROWTH PERIOD OF BEAGLE AND ITS RELATION TO RADIUM 226 TOXICITY UCD-472-112 N65-32350
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE APPLICATIONS UR-668 N65-33020
- TOXICITY AND SAFETY HAZARD**
- GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL AGAINST TOXICITY OF PROPELLANTS A65-11400
- PREDICTION AND VERIFICATION OF ROCKET PROPELLANT TEST FIRINGS AS RELATED TO AIR POLLUTION A65-80220
- CHANGES IN EYE DURING EXPOSURE TO HIGH OXYGEN ENVIRONMENTS A65-80605
- EMERGENCY EXPOSURE LIMITS FOR DIMETHYL HYDRAZINE, NITROGEN DIOXIDE, AND TRICHLOROETHANE USEFUL AS GUIDE FOR INDUSTRIAL HYGIENISTS A65-80619
- INDUSTRIAL HYGIENE SUPPORT IN MISSILE PROGRAM THROUGH ELIMINATING HEALTH HAZARDS A65-80620
- RISKS OF HIGH PRESSURE OXYGEN THERAPY A65-81261
- HEPATOTOXICITY OF RAT FROM HYDRAZINE AND 1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON TETRACHLORIDE A65-81529
- AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND UDMH COMPONENTS OF TITAN II EXHAUST GASES AND PERSONNEL SAFETY A65-82239
- HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING TRICHLOROETHYLENE AND TETRACHLOROETHYLENE A65-82299
- TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS LR-17744 N65-20120
- HUMAN PROTECTION FOR IONIZING RADIATION AND EFFECTIVENESS AND TOXICITY OF RADIOPROTECTIVE AGENTS FTD-TT-64-948/1 N65-22069
- INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD - STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND TRACING PHENOL CONTENT IN AIR JPRS-29981 N65-23776
- TOXICOLOGY**
- SA INSECTICIDE
- SA PHARMACOLOGY
- SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS A65-22752
- BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC A65-29067
- TOXICOLOGY OF CARBON TETRACHLORIDE POISONING A65-80107
- PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND RAT A65-81215
- TOXICOLOGICAL ASPECTS OF MISSILES AND CONTAMINATION IN CLOSED SPACE OF SUBMARINES A65-81237
- OZONE TOXICOLOGY- REVIEW OF RESEARCH AND INDUSTRIAL EXPERIENCE 1954-1964 A65-81397
- SPACE CABIN ATMOSPHERE TOXICOLOGY - A NEW RESEARCH FACILITY A65-82091
- RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC ACID A65-82177
- INDUSTRIAL TOXICOLOGY - VANADIUM SMELTING, BERYLLIUM LEVEL IN BIOLOGICAL MEDIA, AND CONCENTRATIONS OF TOXIC SUBSTANCE IN AIR JPRS-27282 N65-10034
- ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE FLIGHT AND SUBMARINE MEDICINE JPRS-27767 N65-13417
- VIBRATION EFFECTS ON HUMANS AND ANIMALS, OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES, VIBRATION ABSORBERS FOR WORKER PROTECTION, AND FREON GAS TOXICOLOGY JPRS-28721 N65-16207

SUBJECT INDEX

TRAINING

- TOXICOLOGICAL EFFECTS OF THREE SYNTHETIC RUBBERS -
ANIMAL STUDY
JPRS-30850 N65-27033
- DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS,
SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS
N65-28298
- DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE
IN BLOOD SERUM - TOXICOLOGY
AMRL-TDR-64-24 N65-31864
- TRACE CONTAMINANT
MICROWAVE SPECTROSCOPY USED TO IDENTIFY
UNAMBIGUOUSLY CONTAMINANT TRACE GASES IN MIXTURE
AND INDICATE AMOUNT OF EACH
AICE PREPRINT 540 A65-15251
- ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628
- TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR
PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER
RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON
DIOXIDE AND TRACE CONTAMINANT REMOVAL
AIAA PAPER 65-501 A65-29441
- MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE
CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES
A65-81971
- RECOVERY OF TRACE ORGANIC CONTAMINANTS IN
SEALAB I ATMOSPHERE, SEPARATION WITH GAS
CHROMATOGRAPH, AND IDENTIFICATION
N65-31484
- TRACE ELEMENT
TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- TRACKING
SA COMPENSATORY TRACKING
SA PURSUIT TRACKING
SA RADAR TRACKING
SA RADIO TRACKING
SA VISUAL TRACKING
- HUMAN TRACKING PERFORMANCE IS LIMITED BY TOLERANCE
FOR WHOLE BODY VIBRATION A65-10537
- OCULOMOTOR RESPONSE TO SMALL TARGET REPLACEMENTS
A65-80806
- A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-
SAFE OPERATION TIME AS AFFECTED BY SIZE OF
SUBJECTS PERFORMING TRACKING PROBLEM UNDER
ACCELERATION STRESS A65-81373
- PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT,
TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE,
AND PROGRAMMING ON ANALOG COMPUTER
AD-603477 N65-14282
- USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS
AD-450861 N65-14679
- MANUAL CONTROL OF TWO-AXIS TRACKING
NASA-CR-60697 N65-16810
- VIBRATION TESTING OF HUMANS FOR WHOLE BODY
VERTICAL VIBRATION EFFECT ON TRACKING
PERFORMANCE
D3-3512-6 N65-18853
- UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING,
SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL
REPT.-64-30 N65-18929
- TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL
DELAY AND LEARNING - HUMAN PERFORMANCE
AMRL-TR-64-104 N65-19149
- SAMPLED DATA PURSUIT HAND TRACKING MODEL FOR HUMAN
OPERATOR
NASA-CR-57221 N65-19749
- BIAXIAL MIXED-DYNAMICS TRACKING TASK - MANUAL
- CONTROL SYSTEMS
NASA-CR-62251 N65-21766
- LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344 N65-25675
- TRACKING STUDY
HUMAN TRACKING ABILITY FOR RECTANGULAR WAVES ON
DISPLAY USING HAND OR FOOT A65-31344
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM A65-35474
- THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION
OF TIME-VARYING HUMAN OPERATORS ENGAGED IN
TRACKING TASK A65-35475
- EFFECTS OF PERFORMANCE SCORING CRITERIA ON
COMPENSATORY TRACKING BEHAVIOR A65-35476
- SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN
OPERATOR A65-35477
- UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598
- TRACKING SYSTEM
DELAYED FEEDBACK SELF-TRACKING AND RECORDING
INSTRUMENT A65-80740
- INFORMATION ON TYPES OF EYE MOVEMENT IN EYE
TRACKING SYSTEM STUDY N65-28096
- TRADESCANTIA
DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT A65-80719
- EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF
POLLEN OF PLANT TRANDESCANTIA PALUDOSA
A65-81939
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489
- TRAINING
SA ASTRONAUT TRAINING
SA BEHAVIOR
SA FLIGHT SIMULATION
SA FLIGHT TRAINING
SA GUNNERY TRAINING
SA INSTRUCTION
SA LEARNING
SA MEMORY
SA PILOT TRAINING
SA PRACTICE
SA SIMULATOR TRAINING
SA TRANSFER OF TRAINING
- ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED
REFLEXES IN RAT A65-80105
- PHYSIOLOGY OF EXERCISE WITH EMPHASIS ON ATHLETIC
PERFORMANCE AND TRAINING A65-80179
- PARACHUTING INJURY - ANALYSIS, PREVENTION AND
TRAINING IN MILITARY PARACHUTING
A65-80223
- DISPLAY-CONTROL RELATIONSHIP, ABILITY TO SEE WHAT
ONE IS DOING AND PHASE OF TRAINING INTERACTIONS
IN SENSORIMOTOR TASK A65-80337
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING
A65-80436
- MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS -
INTERPRETATION AND MODIFICATION ACCORDING TO AGE
AND TRAINING A65-80695

TRAINING EQUIPMENT

SUBJECT INDEX

FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS
A65-80991

TEST OBJECT SIZE AND EXPOSURE TIME AS RELATED TO
TRAINING OF PERIPHERAL VISUAL ACUITY
A65-80997

PILOT SELECTION AND NAVAL AVIATION
A65-81041

OBJECT RECOGNITION AS FUNCTION OF NUMBER OF
DIFFERENT VIEWS DURING TRAINING
A65-81088

TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134

INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS
A65-81144

TRAINING OF BRITISH AIRCREWS FOR JUNGLE SURVIVAL
A65-81414

FLIGHT NURSE TRAINING FOR CONTINUOUS ORIENTATION
TO JOB RESPONSIBILITIES
A65-81490

SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT
A65-81542

PHYSICAL PERFORMANCE OF NAVAL AVIATOR TRAINEES
FROM VARIOUS PROCUREMENT SOURCES AS RELATED TO
DURATION OF TRAINING SYLLABUS
A65-82117

POSTURE, TOWER TRAINING, AND AGE OF FLYING
PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF
SPINE DURING EJECTION
A65-82125

INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING
UPON TRANSFER FUNCTION
AMRL-TDR-64-81
N65-10269

DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES
NAVTRADEVCE-1329-1
N65-10522

ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND
EDUCATION SYSTEMS
AMRL-TR-64-89
N65-11082

TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY
OF M-1 CARBINE
AMRL-TDR-64-90
N65-11899

AERONAUTICAL TRAINING AND MILDEW PREVENTION IN
CHINA
JPRS-27506
N65-12183

TRAINING REQUIREMENTS, ENVIRONMENT, RESULTS, AND
RESEARCH - OVERVIEW OF CURRENT STATUS OF
TRAINING TECHNOLOGY - LEARNING
AMRL-TR-64-86
N65-13997

EXTENT TO WHICH BLOCKS OF TEST TRIALS CONTRIBUTE
TO LEARNING OF PAIRED ADJECTIVES - PSYCHOLOGY OF
TRAINING
AMRL-TR-64-105
N65-14003

INDIVIDUAL DIFFERENCES IN ACROBATIC ACTIVITY -
CONSIDERATIONS IN TEACHING AND TRAINING
EXERCISES
JPRS-28276
N65-14710

PERFORMANCE EVALUATION IN SIMULATOR TRAINING
ENVIRONMENT
NAVTRADEVCE-1449-1
N65-14797

FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634
N65-15615

LOW LEVEL BALLOON PILOT TRAINING AND QUALIFICATION
FLIGHTS
REPT.-1282-R
N65-15709

TEAM TRAINING IN SIMULATED RADAR-CONTROL

INTERCEPTION TASK
NAVTRADEVCE-1327-1
N65-16173

INHIBITION OF OPERATING ABILITY BY TRAINING ON
RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL
DEVICE - INHIBITION TEST USING DESK CALCULATORS
TR-11
N65-16700

ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15
N65-17618

TRAINING FOR CROSS-CULTURAL CONTACT AND
DEVELOPMENT OF INTERACTION SKILLS
AMRL-TR-64-109
N65-19017

BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM -
HUMAN PERFORMANCE
AMRL-TR-64-108
N65-19150

PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR
INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF
COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL
ASPECTS OF IMAGERY AND CONTENT
RADC-TDR-64-326
N65-23083

PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT AND
TO INCREASE STABILITY UNDER WEIGHTLESSNESS
JPRS-30111
N65-25600

INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS
THROUGH PHYSICAL TRAINING
N65-25602

COMPARISON OF SELF-STUDY TECHNIQUE WITH
CONVENTIONAL CLASSROOM MODELS AS MEANS OF
REFRESHER TRAINING OF AIRCREWS UNDER OPERATIONAL
CONDITIONS
AMRL-TR-65-83
N65-30298

FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL
TRAINING, AND USE OF CDC 160-A COMPUTER TO
TEACH PSYCHOMOTOR TASK
NAVTRADEVCE-1517-1
N65-31206

INFORMATION SYSTEMS FOR AUTOMATED ON-JOB TRAINING
ESD-TDR-64-234, VOL. III
N65-31242

COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL
AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A
FULL PRESSURE SUIT ASSEMBLIES
AMRL-TR-65-86
N65-31630

QUALITY CONTROL SYSTEM IN MILITARY TRAINING
PROGRAM
TR-65-6
N65-33767

TRAINING EQUIPMENT
SA FLIGHT SIMULATOR

ADVANCED STATE OF SOVIET TRAINING THEORIES
INDICATED BY SIMULATION DEVICES AND TECHNIQUES
EMPLOYED IN THEIR MANNED SPACE PROGRAM
AIAA PAPER 65-276
A65-22260

SIMULATION EQUIPMENT APPLICATION TO TRAINING OF
AIRLINE GROUND AND FLYING PERSONNEL
A65-30468

HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS
A65-80438

FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING
DEVICES FOR FIXED PROCEDURES TASKS
TR-65-4
N65-30134

TRANQUILIZER
SA HEXAMETHONIUM
SA MEPROBAMATE
SA PROCHLORPERAZINE

CHLORPROMAZINE / CPZ/, PROTOTYPE PHENOTHIAZINE
TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION
A65-31007

LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN
DOG CEREBELLUM AND ASSOCIATED AREAS
A65-33023

- REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING
ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS,
AND MISCELLANEOUS GROUP, COVERING 1954-1964
A65-80380
- ANTICHOLINERGICS, ANTIHISTAMINES, AND
TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION
SICKNESS DRUGS
AD-611394 N65-22889
- TRANSDUCER
SA ELECTRONIC TRANSDUCER
- DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS
FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051
- PROGRESS REPORT ON RADIO TELEMETRY FROM INSIDE
BODY A65-81057
- INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS A65-82092
- INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS
A65-82298
- TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF
MECHANICAL QUANTITIES IN PHYSIOLOGICAL
INVESTIGATIONS
FTD-TT-63-1192/1&4 N65-10284
- TRANSDUCER TO MEASURE BLOOD PRESSURE FOR
APPLICATION ON SUPERFICIAL TEMPORAL ARTERY
NASA-CR-293 N65-32277
- TRANSFER
S CHARGE TRANSFER
S ELECTRON TRANSFER
S ENERGY TRANSFER
S HEAT TRANSFER
S MASS TRANSFER
- TRANSFER FUNCTION
DETERMINISTIC CHARACTERIZATION THEORY FOR
DETERMINING TIME-VARYING DYNAMICS OF HUMAN
OPERATOR ENGAGED IN TRACKING TASKS
A65-22033
- HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE
SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION
AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS
A65-25323
- THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF
SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE
GRATING A65-32834
- VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS
IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE
TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT
CONTROL SYSTEM
NASA-TN-D-2569 N65-14119
- PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT,
TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE,
AND PROGRAMMING ON ANALOG COMPUTER
AD-603477 N65-14282
- OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION
DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME
OF HUMAN PERFORMANCE
NASA-CR-170 N65-17326
- TRANSFER FUNCTION THROUGH HUMAN SKIN
AD-611281 N65-20121
- INTERNEURONAL TRANSFER FUNCTIONS AND FUNCTIONAL
RESPONSE CHARACTERISTICS OF BIOLOGICAL NERVE
CELLS
SAK-7 N65-32793
- TRANSFER OF TRAINING
EYE MOVEMENT PATTERNS AS FUNCTION
OF PREVIOUS TACHISTOSCOPIC PRACTICE
A65-80247
- VIGILANCE PERFORMANCE IN MULTICHANNEL MONITORING
- A65-80348
- TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND
BODY-ORIENTED CONTROL TASKS A65-80708
- TRANSFER OF TRAINING ACROSS TARGET SIZES IN
SUBJECT-PACED TRACKING TASK A65-81977
- RESTRICTION AND FORCED - RESPONSE GUIDANCE IN
TRAINING FOR TWO FORMS OF MANUAL POSITIONING
TASK A65-82004
- TEAM-TRAINING EFFECTIVENESS AS FUNCTION OF TASK
COMPLEXITY, ORGANIZATION AND SKILL IN SIMULATED
RADAR CONTROLLED AERIAL INTERCEPT TASK
A65-82173
- TRANSFER OF TRAINING BETWEEN QUICKENED AND
UNQUICKENED DISPLAYS. A65-82329
- EFFECTS OF DEGREE OF LEARNING AND DEGREE OF
SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF
TRAINING
AMRL-TR-64-96 N65-14000
- TRANSFER OF TRAINING IN PERFORMANCE OF DYNAMIC
TRACKING TASKS OF VARYING COMPLEXITY IN ADAPTIVE
AND NONADAPTIVE MODES - PSYCHOLOGY
NAVTRADEVCE-1395-1 N65-16106
- TRANSFORM
S FOURIER TRANSFORM
- TRANSFUSION
TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460
- TRANSISTOR
TRANSISTORIZED RADIATION MONITOR
A65-80759
- VERY HIGH FREQUENCY SILICON POWER TRANSISTOR
MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY
AND PROCESS MANUAL
TE-4000-15-F N65-19005
- TRANSISTOR CIRCUIT
TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER
CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND
COMPACT SILICON STABILITRON CONVERTERS
JPRS-30557 N65-25541
- TRANSITION POINT
POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL
TRANSITIONS IN MACROMOLECULES N65-25028
- TRANSMISSION
SA DATA TRANSMISSION
SA LIGHT TRANSMISSION
SA NEURON TRANSMISSION
SA SOUND TRANSMISSION
SA TELEVISION TRANSMISSION
- DISEASE TRANSMISSION BY AIRCRAFT
A65-81584
- CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN
EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN
TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING
BY RADIO OF PULSE WAVE DIFFUSION SPEED
JPRS-28549 N65-17722
- TRANSMITTER
PROGRESS REPORT ON RADIO TELEMETRY FROM INSIDE
BODY A65-81057
- VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMETRY
AMRL-TR-64-124 N65-17230
- TRANSPIRATION
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941

TRANSPLANTATION

SUBJECT INDEX

TRANSPLANTATION

HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE MARROW OF MICE TWICE IRRADIATED WITH COBALT 60 DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE MARROW A65-81265

TRANSFER OF INCREASED TOLERANCE TO LOW BODY TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS A65-81460

TRANSPLANTS OF HEMOPOIETIC TISSUE AS RADIOPROTECTIVE MECHANISM IN RABBITS A65-81676

CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING BY RADIO OF PULSE WAVE DIFFUSION SPEED JPRS-28549 N65-17722

PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION JPRS-30015 N65-25025

TRANSPORT

SA SUPERSONIC TRANSPORT

BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN SEQUENTIAL TRANSPORT OF ELECTRONS DURING PHOTOSYNTHESIS N65-32659

TRAPPED RADIATION

RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT IONIZATION CHAMBERS A65-30674

TRAUMA

SA BAROTRAUMA

DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA A65-82190

TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC SHOCK IN DOGS N65-22763

TREATMENT

S OXYGEN TREATMENT
S THERAPY

TRICHLOROETHYLENE

CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO TRICHLOROETHYLENE INTOXICATION A65-82094

TRIPLENNAMINE

ACETYLCHOLINE, METHAMPHETAMINE, TRIPLENNAMINE, PROMETHAZINE, AND PLANT HORMONES AS RELATED TO ACCELERATION TOLERANCE OF RAT A65-80141

TRITIUM

TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE VISUAL GUIDANCE DURING NIGHT DITCHING A65-26172

TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED COMMERCIAL AIRCRAFT A65-81375

CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF TRITIUM DECAY NASA-CR-59196 N65-10112

BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM COMPOUNDS N65-10115

TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND EFFECTS ON GLUCOSE METABOLISM BY RATS AMRL-TR-64-112 N65-17909

EFFECT OF DIET ON RAT EXCRETION OF TRITIUM RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE AAL-TR-64-29 N65-25344

FATE OF SPLEEN CELLS LABELLED WITH TRITIUM - SENSITIVITY IN VIVO CULTURES DURING SECONDARY RESPONSE OF ANTIBODY N65-36617

TRITON

TRITON HIBERNATION IN FROST ENVIRONMENT NASA-TT-F-9162 N65-18336

TROPICS

HEART RATE, BODY TEMPERATURE, AND SWEAT RATE RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND CAUCASIANS A65-80068

SALT REQUIREMENTS OF ACCLIMATIZED PEOPLE PERFORMING PHYSICAL EXERCISE IN TROPICS A65-80968

TROPISM

S GEOTROPISM
S PHOTOTROPISM

TROPOSPHERE

VERTICAL DISTRIBUTION OF AIRBORNE ORGANISMS IN TROPOSPHERE AND STRATOSPHERE N65-23990

TRYPSIN

TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET IRRADIATION AND MAGNETIC FIELD A65-80430

MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN FOLLOWING PARTIAL INHIBITION WITH EGG WHITE, AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND DIISOPROPYLPHOSPHOROFUORIDATE A65-80431

TRYPTOPHAN

TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/ REQUIREMENTS UNDER NERVOUS STRESS IN DOGS A65-80723

CORTISONE INFLUENCE ON GLYCOGENOGENESIS, ENDOTOXIN LETHALITY, AND TRYPTOPHAN PYRROLASE INDUCTION IN COLD-EXPOSED MICE AAL-TDR-64-5 N65-19289

TUBERCULOSIS

TUBERCULOSIS IN ITALIAN AIR FORCE PERSONNEL - MEDICO-LEGAL SURVEY A65-80214

TUBERCULOSIS IN FLYING PERSONNEL OF POLISH AIR FORCE - FACTORS IN DEVELOPMENT AND TREATMENT A65-80445

TUMBLING

REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS ADAPTED TO TUMBLING TRAUMA A65-80331

LYMPHOCYTOPENIA AND ADAPTATION AFTER TUMBLING TRAUMA IN RAT A65-80332

TUMOR

REJECTION OF TRANSPLANTED TUMORS IN MICE OF BOTH SEXES EXPOSED TO MAGNETIC FIELDS A65-80417

LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH PRETREATMENT IN MAGNETIC FIELDS PRODUCING LEUKOCYTOSIS A65-80420

MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE AS RELATED TO TISSUE TYPE AND AGE AND FIELD STRENGTH AND TEMPERATURE A65-80426

MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA MELANOGASTER, AND S-37 MOUSE TUMOR CELLS A65-80462

BLASTOMOGENIC ACTION OF HIGH ENERGY PROTONS IN RATS A65-81711

EFFECT OF HYPEROXYGENATION ON ACTIVITY OF SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE, SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN TRANSPLANTED TUMORS IN ALBINO RATS A65-82325

TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON IRRADIATION ON RATS

SUBJECT INDEX

ULTRALOW FREQUENCY

- JPRS-27343 N65-10653 N65-30221
 RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION INJURY DURING IRRADIATION OF VARIOUS PARTS OF HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF ACUTE RADIATION SICKNESS
 JPRS-29410 N65-20599 N65-30222
 SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT THYROID TUMORS
 REPT.-129 N65-23729
 TUNNELING
 PROTON TUNNELING AND OTHER MECHANISMS OF MUTATION N65-10114
 TURBOPROP AIRCRAFT
 CHANGES IN EXCITABILITY AND LABILITY OF VISUAL ANALYZER UNDER PROLONGED NONSTOP FLIGHTS IN MULTIPASSENGER TURBOPROP AIRCRAFT N65-13764
 TURBULENT FLOW
 CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING LIGHT-DARK SEQUENCE A65-81872
 TURTLE
 SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND BLOOD CHANGES OF TURTLE, PSEUDHEMYS SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES A65-80879
 TYROSINE
 FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL METEORITE **ORGANIZED ELEMENTS** WITH MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR ORGANISMS OF EARTH ORIGIN A65-82366
- U**
- U.S.S.R.
 ADVANCED STATE OF SOVIET TRAINING THEORIES INDICATED BY SIMULATION DEVICES AND TECHNIQUES EMPLOYED IN THEIR MANNED SPACE PROGRAM
 AIAA PAPER 65-276 A65-22260
 INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT VESTIBULAR APPARATUS A65-80879
 ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE FLIGHT AND SUBMARINE MEDICINE
 JPRS-27767 N65-13417
 SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY OF HUMANS AND ANIMALS
 NASA-TT-F-228 N65-13626
 MEDICAL SERVICE FOR SOVIET CIVIL AVIATION
 N65-13634
 HISTORY AND DEVELOPMENT OF AVIATION MEDICINE IN U.S.S.R.
 NASA-TT-F-176 N65-21725
 DEVELOPMENT OF AVIATION MEDICINE IN U.S.S.R.
 N65-21727
 SOVIET AVIATION MEDICINE AND ITS ORIGIN
 N65-21729
 SOVIET AVIATION MEDICINE
 N65-21730
 COLLECTIVE MONOGRAPH OF U.S.S.R. RESEARCH IN CYBERNETICS COVERING PHILOSOPHICAL, BIOLOGICAL, PSYCHOLOGICAL, AND MATHEMATICAL ASPECTS
 JPRS-29764 N65-21882
 RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND X-RAY DIAGNOSIS IN U.S.S.R.
 JPRS-31300 N65-30215
 DOSIMETRY AND RADIATION THERAPY IN U.S.S.R.
 N65-30220
 X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R.
- DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN U.S.S.R. N65-30222
 FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS OF DISEASE N65-30223
 ABSTRACTS ON RESPIRATORY PHYSIOLOGY FROM SOVIET LITERATURE
 AD-618421 N65-31931
 NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET UNION
 JPRS-31646 N65-32010
 U.S.S.R. SPACE PROGRAM
 COMPARISON BETWEEN U.S. AND U.S.S.R. LIFE SUPPORT SYSTEMS USED IN SPACE FLIGHTS NOTING PHYSICAL LAYOUT, RADIATION SHIELDING, GROUND SIMULATION, DIETARY CHANGES, ETC A65-34475
 SPACE MEDICINE IN U.S.S.R.
 JPRS-28417 N65-15036
 SOVIET BIOASTRONAUTIC AND MANNED SPACE FLIGHT - LITERATURE SURVEY
 ATD-P-65-14 N65-19785
 SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS, SIMULATED SPACE FLIGHT, AND COMMUNICATIONS
 ATD-P-65-11 N65-20926
 SOVIET BIOASTRONAUTICS RESEARCH AND MANNED SPACE FLIGHT PROGRAM N65-22655
 BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE MEDICINE AND BIOASTRONAUTICS PUBLISHED IN U.S.S.R., 1962-1964
 NASA-TT-F-270 N65-22968
 MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY, AND SPACE SUITS - U.S.S.R. SPACE PROGRAM
 JPRS-29998 N65-23777
 ULCER
 FORMULA DIETS - WEIGHT CONTROL, PEPTIC ULCER, INFANT, AND DIETS FOR METABOLIC STUDIES N65-18599
 ULTRAHIGH FREQUENCY
 EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF CEREBRAL CORTEX IN RABBIT A65-80713
 SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC FIELD A65-80801
 COMBINED EFFECT OF HOT CLIMATE AND ULTRA HIGH FREQUENCY RADIATION ON CENTRAL NERVOUS SYSTEM OF WORKING PERSONNEL ENGAGED ON ULTRA HIGH FREQUENCY PROJECTS A65-82184
 EFFECT OF ULTRAHIGH FREQUENCY RADIATION IN FORMED ELEMENTS OF BLOOD IN MEN A65-82185
 LABOR HYGIENE AND OCCUPATIONAL PATHOLOGY IN WORK WITH ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION N65-13729
 WORKING CONDITIONS AROUND ULTRAHIGH FREQUENCY GENERATORS - PERSONNEL SAFETY N65-13739
 ULTRAHIGH VACUUM
 ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS A65-30685
 ULTRALOW FREQUENCY
 ULTRALOW FREQUENCY DISPLACEMENT INVESTIGATION OF BALLISTOCARDIOGRAPHY
 NASA-TT-F-269 N65-13827
 EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS
 NRC-TT-1162 N65-28590

ULTRASONIC RADIATION

PAPERS ON BIOLOGICAL ACTION OF ULTRASOUND AND UHF
ELECTROMAGNETIC OSCILLATIONS A65-20933

OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND A65-81216

EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA
A65-81378

EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT A65-81449

NATURE AND BIOPHYSICAL EFFECTS OF ULTRASOUND
A65-81735

POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290

ULTRASONIC WAVE

SIMULATION OF TOUCH BY MEANS OF SURFACE ULTRASOUND
WAVES
FTD-TT-64-225/1 N65-15112

EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON
MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL
PROPERTIES OF ANIMAL BLOOD N65-28701

MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM
AFTER EXPOSURE TO ULTRASONIC IRRADIATION -
ANIMAL STUDY N65-28702

EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES
ON MORPHOLOGY OF WHITE RAT TESTES
N65-28703

ULTRASONIC WAVE TRANSDUCER

SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS
FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING
ENVIRONMENTAL FACTORS
AD-612908 N65-26003

ULTRASONICS

ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN
MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL
ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
A65-80049

HUMAN RESPONSE TO SOUND PRESSURE LEVELS FROM
ULTRASONIC DEVICES A65-81250

INFLUENCE OF ULTRASOUND ON PERMEABILITY OF
BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN
RABBITS A65-81289

ULTRASONICS IN MEDICINE
JPRS-28255 N65-14709

ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL
N65-32587

ULTRAVIOLET LIGHT

OPTICAL ACTIVITY IN UV REGION OF SPECTRUM
DEVELOPED, USING OPTICAL ROTATION TO DETECT
EXTRATERRESTRIAL LIFE A65-30678

PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
PHOSPHATES AND SIMILAR LABORATORY SYNTHESSES
A65-80476

SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
AND X-RAY IRRADIATION A65-81232

ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC
ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE
ISOLATED GIANT AXON OF RAIN WORM
N65-32663

ULTRAVIOLET RADIATION

REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN
CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL
DEOXYRIBOSIDE A65-18398

PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS
EFFECT ON EARLY THYMINELESS DEATH OF ESCHERICHIA

COLI B3 EXPOSED TO UV RADIATION

A65-21948

RADIOPROTECTIVE COMPOUNDS EFFECT ON PERSISTENT
AFTERGLOW OF U V-IRRADIATED SERUM ALBUMIN
SOLUTIONS A65-30481

BIOCHEMICAL ALTERATIONS OCCURRING DURING
PHYSIOLOGICAL REACTIONS OF SKIN FOLLOWING EXPOSURE
TO ULTRAVIOLET RAYS A65-80056

ULTRAVIOLET RADIATION EFFECT ON HUMAN
CELLULAR RESPONSES CORRELATED TO
ULTRASTRUCTURAL CHANGES A65-80224

TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD A65-80430

STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592

PROPHYLACTIC AND THERAPEUTIC USES OF ULTRAVIOLET
RADIATION IN X-RAY RADIATION DAMAGE IN ALBINO RATS
A65-80593

X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED
CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL
CYCLE A65-80617

EFFECT OF ULTRAVIOLET RADIATION GROWTH AND
MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658

CHEMICAL PROTECTION OF CHLORELLA FROM ULTRAVIOLET
RADIATION A65-80659

PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS
SOLUTION IRRADIATED WITH ULTRAVIOLET
A65-80762

ULTRAVIOLET RADIATION EFFECT ON BLOOD SUGAR LEVEL
IN RABBITS A65-80837

DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS A65-82048

IRRADIATION OF YEAST FOR TESTING MATHEMATICAL
MODEL FOR REMOVAL OF EFFECTIVE DOSE -
PHOTOREACTIVATION OF CELLS IRRADIATED BY
ULTRAVIOLET N65-26386

PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC
REACTIONS IN ISOLATED CHLOROPLASTS
AFCRL-65-550 N65-34185

UNDERGROUND NUCLEAR EXPLOSION
SA PLOWSHARE PROGRAM

NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
PROGRAM
UCKL-14249 N65-35020

UNITED STATES
SA ALASKA

COMPARISON BETWEEN U.S. AND U.S.S.R. LIFE
SUPPORT SYSTEMS USED IN SPACE FLIGHTS NOTING
PHYSICAL LAYOUT, RADIATION SHIELDING, GROUND
SIMULATION, DIETARY CHANGES, ETC
A65-34475

ROLL OF U S AIR FORCE IN INTERNATIONAL MEDICINE
A65-81775

UNIVERSE

DETECTING LIFE IN OTHER SOLAR SYSTEMS
A65-81263

UNMANNED SPACECRAFT

SA MANNED SPACECRAFT

EXTRATERRESTRIAL LIFE DETECTION ON MARS USING
UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC

- PHYSICAL AND CHEMICAL TESTS A65-26739
- UPPER ATMOSPHERE
DETECTION AND STUDY OF MICROBIAL POPULATION IN
UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE
SAMPLING WITH ELECTROSTATIC PRECIPITATOR N65-23986
- ATMOSPHERIC COLLECTION OF MICROORGANISMS USING
SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE N65-24000
- URACIL
IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- INCORPORATION OF 5-BROMOURACIL AND PLASTID
MUTATION DURING REPLICATION OF PLASTID
DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND
SULPHANILAMIDE A65-31389
- UREA
SA PSEUDOURAEA
- AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
AND ABIOTIC ASPECTS A65-80471
- INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS SAM-TDR-64-18 N65-30745
- URIC ACID
URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH
FAT DIETS, AND KETONE INFUSIONS A65-80515
- BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE LF-22 N65-25292
- URINATION
PROBLEM OF BLADDER CALCULUS FORMATION AND
DECREASED URINARY FLOW IN MANNED SPACE FLIGHT A65-80353
- POSTFLIGHT URINARY DETERMINATIONS USED FOR
EVALUATING FLIGHT STRESS IN PILOTS IN RELATION
TO FLYING PROFICIENCY SAM-TR-64-88 N65-31787
- URINE
FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS
DETERMINED BY POSTFLIGHT URINE ANALYSIS A65-18430
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO
MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT
CHEMICALS SELECTION AND BACTERIA CONTROL IN
PRODUCT ASME PAPER 65-AV-24 A65-22959
- MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE
WATER FROM URINE, WASH WATER AND HUMIDITY
CONDENSATES BY ELECTRODIALYSIS ASME PAPER 65-AV-16 A65-23224
- THERMAL VAPORIZATION FOR WATER RECOVERY FROM URINE
A65-24457
- URINARY EXCRETION OF EPINEPHRINE AND
NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE A65-80113
- URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN
A65-80252
- SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY
MEN EXPOSED TO BENZENE VAPOR A65-80611
- EFFECT OF HIGH TEMPERATURE ON UROPEPSIN CONTENT IN
MAN A65-80849
- GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF
PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993
- CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606
- NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN
SERUM, PAROTID FLUID, AND URINE DURING
WEIGHTLESSNESS A65-82359
- RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE
PERMEATION AMRL-TDR-64-73 N65-12040
- EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS N65-13676
- URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH
MOUNTAIN CONDITIONS N65-17823
- EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
URINE ALTERATIONS ARL-TR-64-14 N65-20897
- BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- URINE EXCRETION IN ANIMALS - DEPENDENCE OF
DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE
CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION
IN DRINKING WATER NASA-TT-F-9337 N65-23793
- THERMOELECTRIC SYSTEM FOR WATER RECLAMATION FROM
URINE AMRL-TR-65-29 N65-29615
- GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS NSL-65-23-1 N65-34281
- UTERUS
EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711
- V
- VACUUM CHAMBER
RAPID DECOMPRESSION OF PRIMATES TO NEAR VACUUM
CONDITIONS FOR RECOVERY OF ABILITY TO PERFORM
COMPLEX TASKS PRIOR TO DECOMPRESSION
SAM-TDR-64-42 N65-16878
- VACUUM DEPOSITION
HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS
USING HYDROGEN DIFFUSION CATHODE TO REMEDY
CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394
- VACUUM EFFECT
EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- VACUUM PUMP
IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP
FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES
IN COMBUSTION-BOMB EXPERIMENTS A65-34083
- VALSALVA MANEUVER
RESPONSE OF RIGHT ATRIAL PRESSURE TO VALSALVA
MANEUVER AFTER INFUSION OF NOREPINEPHRINE
A65-80663
- COMPARISON OF VALSALVA MANEUVER AND FRENZEL
MANEUVER IN MIDDLE EAR VENTILATION
A65-81262
- VAN ALLEN BELT
VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO
SPACE FLIGHT RESEARCH A65-81307

VANADIUM

INDUSTRIAL TOXICOLOGY - VANADIUM SMELTING,
BERYLLIUM LEVEL IN BIOLOGICAL MEDIA, AND
CONCENTRATIONS OF TOXIC SUBSTANCE IN AIR
JPRS-27282 N65-10034

VAPORIZATION
SA ABLATION

THERMAL VAPORIZATION FOR WATER RECOVERY FROM URINE
A65-24457

VARIABLE

S INDEPENDENT VARIABLE

VARIABLE GEOMETRY STRUCTURE

TORQUE FREE ROTATIONAL DYNAMICS OF VARIABLE
CONFIGURATION BODY - APPLICATION TO WEIGHTLESS
MAN
GA/ME/64-19 N65-27420

VARIABLE STAR

LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS
EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE,
NUCLEAR POTENTIALS AND PULSATING MODELS
A65-31029

VARIANCE

SA REGRESSION ANALYSIS

TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609 N65-29386

VARIATION

S DIURNAL VARIATION
S SEASONAL VARIATION

VARIATIONAL CALCULUS

OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO
SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING
COMBINED VARIATIONAL CALCULUS AND PHASE PLANE
ANALYSIS A65-14963

VARIATIONAL PRINCIPLE

VARIATIONAL PRINCIPLES IN BEHAVIOR OF LIVE
ORGANISMS N65-34752

VASCULAR SYSTEM

SA CARDIOVASCULAR SYSTEM

VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN
PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION
METHOD, EXAMINING EFFECT ON BLOOD PRESSURE
A65-26747

CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN
PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN
AT UP TO TWO ATMOSPHERES A65-80052

RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION A65-80883

CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN
SUBJECTS WITH UNILATERAL INTERNAL CAROTID
OBSTRUCTION A65-81027

INVESTIGATION OF UNCONDITIONED VASCULAR REFLEXES
UPON THERMAL STIMULATION OF SMALL SKIN AREAS
A65-81304

STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER
A65-81899

FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS
A65-81909

PULMONARY VASCULAR CHANGES OF HUMAN INFANT, DOG,
AND CALF WITH UNILATERAL HYPOXIA
A65-82232

RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION
A65-82269

INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE
CHANGES IN RENAL TUBULES AS MORPHOLOGICAL
CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY
LATERAL ACCELERATIONS N65-13716

DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
GRAVITATIONAL LOADS N65-14527

HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE
STRUCTURES, AND AUTOALLERGY IN PATHOLOGY
N65-17790

FOREARM VASCULAR RESISTANCE MEASURE OF
NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING
PROLONGED WEIGHTLESSNESS
NADC-ML-6511 N65-34467

VASOCONSTRICTION

THERMAL STIMULATION OF EXPERIMENTALLY
VASOCONSTRICTED HUMAN SKIN AND ADAPTATION
A65-80251

VASCULAR TONE CHANGES OF VEINS IN
EXTREMITIES DURING SUPINE EXERCISE
A65-80271

SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING
ENVIRONMENTAL TEMPERATURE A65-81133

QUANTITATIVE EVALUATION OF VASOCONSTRICTION DURING
DEEP INSPIRATION A65-81716

COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066

VASODILATION

CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT
ON REFLEX VASODILATION IN HAND
A65-80189

SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING
ENVIRONMENTAL TEMPERATURE A65-81133

COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066

POTASSIUM ION AS VASODILATOR DURING MUSCULAR
EXERCISE IN CATS. A65-82067

FOREARM VASCULAR RESISTANCE MEASURE OF
NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING
PROLONGED WEIGHTLESSNESS
NADC-ML-6511 N65-34467

VECTOR

SHORT TERM MEMORY USING RESPONSE VECTORS
EQUIVALENT TO DICHOTOMOUS SCORES
ESD-TR-64-678 N65-19353

VECTOR ANALYSIS

VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO
DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC
ACTIVITY DUE TO HYPOXIA N65-13629

VECTORCARDIOGRAM

CHANGES IN VECTORCARDIOGRAM OF FLIGHT PERSONNEL
IN EARLY STAGES OF HYPERTENSION
N65-13724

VECTORELECTROCARDIOGRAPHIC TECHNIQUES FOR
DETERMINING HEART POSITION DURING VIBRATION
GE/EE/64-23 N65-14413

COMPUTER CALCULATIONS FOR INTERPRETATION OF
ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS
FROM EXERCISE TESTS ON AVIATORS
REPT.-3 N65-15277

BIOINSTRUMENTATION FOR AEROSPACE MEDICINE -
CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR
BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM
SIMULATOR, AND ELECTRON VOLTAGE STABILIZER
FTD-TT-64-1089/162 N65-35452

VEHICLE

S AEROSPACE VEHICLE

SUBJECT INDEX

VESTIBULAR APPARATUS

- S AIR CUSHION VEHICLE
- S AIRCRAFT
- S LAUNCH VEHICLE
- S LOW ALTITUDE SUPERSONIC VEHICLE /LASV/
- S MISSILE
- S NONLIFTING VEHICLE
- S REENTRY VEHICLE
- S RESEARCH VEHICLE
- S ROCKET
- S SATELLITE
- S SPACE VEHICLE
- S SPACECRAFT

- VEIN
 - VASCULAR TONE CHANGES OF VEINS IN EXTREMITIES DURING SUPINE EXERCISE A65-80271
 - EFFECT OF CORIOLIS ACCELERATION ON HUMAN BLOOD VESSEL TONUS A65-80981

- VELOCITY
 - SA ANGULAR VELOCITY
 - SA FLOW VELOCITY
 - SA GROUND SPEED
 - SA WIND VELOCITY

- VISUAL PERCEPTION OF MOVEMENT IN ABSENCE OF EXTERNAL FRAME OF REFERENCE - TIME AND VELOCITY FACTORS A65-81577

- VENTILATION
 - VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES FROM MANNED CHAMBER TESTING A65-10831
 - COMPARISON OF VALSALVA MANEUVER AND FRENZEL MANEUVER IN MIDDLE EAR VENTILATION A65-81262
 - EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN ATMOSPHERE N65-14454
 - VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT THERMAL ENVIRONMENT AECL-2123 N65-15634
 - CARDIAC AND VENTILATORY RESPONSE TO BICYCLE ERGOMETER TEST NASA-CR-177 N65-20472

- VENTILATOR
 - THREE-MAN SPACESUIT VENTILATOR CONSISTING OF HEAT EXCHANGER AND HERMETIC COMPRESSOR A65-15605
 - PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE A65-81402
 - ARTIFICIAL RESPIRATION - REVIEW OF PHYSIOLOGY AND TECHNIQUES A65-82021

- VENUS ATMOSPHERE
 - PROBLEMS REGARDING CHEMICAL COMPOSITION AND PHYSICAL PROPERTY OF VENUS ATMOSPHERE A65-80868
 - CHEMICAL EVOLUTION OF TERRESTRIAL AND CYTHEREAN ATMOSPHERES A65-80890
 - OBSERVATIONS OF WATER VAPOR ON MARS AND VENUS FROM BALLOONS AND MOUNTAINS A65-80891

- VERONIQUE ROCKET
 - ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963 A65-80875
 - AUTONOMIC REACTIONS OBSERVED IN CATS DURING VERONIQUE ROCKET FLIGHT A65-80916

- VERTEBRAL COLUMN
 - PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED BY EJECTION A65-80876
 - RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET

- PILOTS A65-80919
 - INJURY IN FLYING PERSONNEL OF SPINAL COLUMN FROM AVIATION SERVICE A65-81816
 - SPINAL PAIN REACTION IN PILOTS AFTER MANY FLIGHT HOURS IN HELICOPTERS A65-81819
 - POSTURE, TOWER TRAINING, AND AGE OF FLYING PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF SPINE DURING EJECTION A65-82125
 - VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED BIBLIOGRAPHY ON EJECTION-RELATED INJURIES TI-65-041 N65-28352

- VERTICAL DISTRIBUTION
 - VERTICAL DISTRIBUTION OF AIRBORNE ORGANISMS IN TROPOSPHERE AND STRATOSPHERE N65-23990

- VERTICAL PERCEPTION
 - SHORT-TERM ADAPTIVE PROCESSES DURING PERCEPTION OF VERTICAL EXPLAINED BY PSYCHOPHYSICAL LINEAR FEEDBACK MODEL A65-82235

- VERTIGO
 - OVERPRESSURE IN MIDDLE EAR AS RELATED TO VERTIGO OCCURRING IN DIVERS AND PREVENTIVE AND THERAPEUTIC MEASURES A65-82012
 - CONTROL OF VERTIGO AND POSSIBLE TREATMENT OF MOTION SICKNESS WITH THIETHYLPERAZINE, A NEW PHENOTHIAZINE A65-82036
 - CHANGES IN NERVOUS SYSTEM IN VERTIGO AND AFTER TERMINAL CONDITIONS JPRS-28177 N65-13863
 - ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION AM-65-18 N65-26956
 - ADAPTATION TO VESTIBULAR DISORIENTATION - NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY ANGULAR ACCELERATION AM-65-24 N65-34303

- VERY HIGH FREQUENCY
 - VERY HIGH FREQUENCY SILICON POWER TRANSISTOR MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY AND PROCESS MANUAL TE-4000-15-F N65-19005

- VESSEL
 - SA CIRCULATORY SYSTEM
 - ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS OF AORTA NASA-TT-F-9569 N65-33809

- VESTIBULAR APPARATUS
 - EXPERIMENTAL INDUCTION OF SOME SENSATIONS CORRESPONDING TO FLIGHT ILLUSIONS OF VESTIBULAR APPARATUS A65-12882
 - FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT ENVIRONMENTS A65-14526
 - TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION A65-18433
 - FUNCTIONAL ANATOMY AND MORPHOLOGICAL FEATURES OF VESTIBULAR AND LATERAL LINE ORGANS OF EQUILIBRIUM, NOTING HAIR CELL A65-25647
 - AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND RECTILINEAR MOTIONS A65-25648
 - NYSTAGMUS AND VESTIBULAR STIMULATION IN RABBIT DURING ROTATION A65-80033
 - TASK-CONTROL OF AROUSAL AND EFFECT OF UNIDIRECTIONAL ANGULAR ACCELERATION ON HUMAN VESTIBULAR FUNCTION A65-80038

- VESTIBULAR FUNCTION - INTERACTION OF SEMICIRCULAR CANAL AND OTOLITH ORGAN FUNCTIONS A65-80040
- SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY REACTIONS IN MAN UNDER CONDITIONS OF WEIGHTLESSNESS A65-80089
- ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED REFLEXES IN RAT A65-80105
- ANALYSIS OF HUMAN ELECTRONYSTAGMOGRAPH AND EVALUATION OF VESTIBULAR APPARATUS FUNCTION A65-80226
- VISUAL OBSERVATION AND FACTOR ANALYSIS OF OBJECTIVE ELECTRICAL VESTIBULOGrams A65-80261
- UTRICULAR FUNCTION STUDIED EXPERIMENTALLY IN RABBITS BY INDUCING ACTION POTENTIAL OF UTRICULAR NERVE WITH LINEAR ACCELERATION A65-80334
- OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY CHANGING POSITIONS OF ASTRONAUTS AND USING INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT CAUSED BY WEIGHTLESSNESS A65-80412
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING A65-80436
- MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR APPARATUS IN CATS A65-80437
- VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO STIMULATION OF AMPULLAR NERVE ANALYZED IN ANESTHETIZED CAT A65-80463
- RESPONSE OF VESTIBULAR APPARATUS TO IONIZING RADIATION AND CORIOLIS ACCELERATION IN RABBITS A65-80536
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC HAMSTER TO 840 G ACCELERATION A65-80583
- RELATIONSHIP BETWEEN QUICK COMPONENT OF NYSTAGMUS AND VESTIBULAR APPARATUS FUNCTION A65-80601
- EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN MAN A65-80639
- CORRELATION OF DIENCEPHALIC AND BULBOVESTIBULAR NYSTAGMOGENIC AREAS A65-80688
- VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND BASAL GANGLIA IN CATS A65-80839
- INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT VESTIBULAR APPARATUS A65-80879
- MOTION SICKNESS SYMPTOMATOLOGY OF LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY MANEUVERS A65-80893
- EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION ON CONDITIONED REFLEX IN RATS A65-80929
- RELATIONSHIP BETWEEN NYSTAGMUS QUICK COMPONENT AND VESTIBULAR APPARATUS IN RABBITS A65-80982
- CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE A65-81011
- HISTOCHEMICAL DEMONSTRATION OF ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS OF VESTIBULAR BONES OF GUINEA PIGS A65-81044
- CUPULOMETRY AS INVESTIGATIVE TOOL AND INFLUENCE OF CINNARIZINE ON LABYRINTHINE FUNCTION A65-81045
- PHOTOELECTRONYSTAGMOGRAPHY AND PHOTOELECTRO-OCULOGRAPHY A65-81049
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068
- EYE AND OTOLITHS A65-81113
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION ALTERED BY CHANGING RESULTANT LINEAR ACCELERATION A65-81115
- SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON VESTIBULAR APPARATUS AND VISION A65-81200
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL FORCE A65-81291
- OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG FOLLOWING CALORIC STIMULATION OF LABYRINTH A65-81313
- EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAPH A65-81353
- DC RESTING POTENTIALS OF CAT AS AFFECTED BY ELECTRIC AND THERMIC STIMULATION OF EFFERENT VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE A65-81379
- REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT A65-81536
- VESTIBULAR RESPONSE TO SOUND - SINGLE UNIT RECORDING FROM VESTIBULAR NERVE IN FENESTRATED DEAF MICE A65-81537
- MODIFICATIONS OF CONTINUING AMPULLAR POTENTIALS INDUCED BY STIMULATION OF EFFERENT VESTIBULAR SYSTEM A65-81615
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR APPARATUS A65-81694
- MORPHOLOGY AND POLARIZATION OF HAIR CELLS OF VESTIBULAR END ORGAN A65-81721
- ALCOHOL EFFECT ON VESTIBULAR APPARATUS WITH PARTICULAR RESPECT TO OCULOMOTOR REGULATORY FUNCTION, AS APPLIED TO BEHAVIOR IN TRAFFIC A65-81722
- ALCOHOL EFFECT ON VESTIBULAR APPARATUS - CAUSES AND DIAGNOSIS BY NYSTAGMUS DURING INTOXICATION A65-81723
- ELECTROENCEPHALOGRAPHIC RESPONSES AND NYSTAGMUS AFTER ROTATORY STIMULATION OF VESTIBULAR APPARATUS A65-81850
- VESTIBULAR AND VISUAL PERCEPTUAL DISTURBANCE AND DIFFICULTIES OF RECOVERY FROM AERODYNAMIC SPIN A65-82127
- DEVELOPMENT, GROSS MORPHOLOGY AND NORMAL ADULT HISTOLOGY OF COCHLEAR AND VESTIBULAR AQUEDUCTS A65-82132
- CENTRAL REGULATION OF THE VESTIBULAR SYSTEM - ROTATIONAL STIMULATION AND EYE MOVEMENTS A65-82137
- ELECTRIC STIMULATION OF VESTIBULAR EFFERENT SYSTEM AS RELATED TO NERVE ACTIVITY AND DC RESTING POTENTIAL A65-82140
- CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS AFFECTED BY ELECTRIC STIMULATION. A65-82141

SUBJECT INDEX

VIABILITY

- POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- ELECTRONYSTAGMOGRAPHIC STUDY OF VESTIBULAR FUNCTION
A65-82321
- STRUCTURE AND FUNCTION OF VESTIBULAR APPARATUS UNDER CONDITIONS OF ALTERED GRAVITATIONAL FIELD
NASA-TT-F-278
N65-11021
- STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655
- VESTIBULAR APPARATUS REGULATION OF BLOOD SUGAR LEVEL
N65-13660
- EFFECT OF INTENSIVE ANGULAR ACCELERATIONS ON VESTIBULAR REACTIONS OF AIRCRAFT PILOT
N65-13734
- EFFECT OF IONIZING IRRADIATION ON VESTIBULAR APPARATUS
N65-13757
- EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR APPARATUS ON ELECTRIC POTENTIAL OF STOMACH
N65-13769
- MECHANICALLY DRIVEN ANGULAR ACCELERATION DEVICE USED AS VESTIBULAR STIMULATOR
AM-64-15
N65-16216
- MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE CONTROL
NASA-CR-64545
N65-32033
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879
N65-33921
- FUNCTIONAL STATE OF VESTIBULAR ANALYZER INVESTIGATED BY CALORIC AND ROTATION TESTS USING SOURCES OF IONIZING RADIATION
JPRS-32151
N65-34676
- VESTIBULAR EFFECT
CORIOLIS EFFECT ON HUMAN SUBJECTS ACCELERATED IN MODIFIED TOENNIES SEAT
A65-12884
- OCULOMOTOR CONTROL DISTURBANCE AND RETINAL IMAGE STABILIZATION DURING FLIGHT CONSIDERING VISUAL TRACKING AND VESTIBULO-OCULAR MECHANISMS
A65-24082
- CLINICAL OBSERVATION OF REACTION OF CREW OF SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHOD NOTING VESTIBULAR EFFECTS
A65-28331
- VESTIBULAR SIMULATION EFFECTS ON VISUAL PERCEPTION FROM MANNED SPACE FLIGHT
A65-35486
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING
A65-81732
- THEORETICAL ASPECTS OF ROLE OF ANGULAR ACCELERATION IN VESTIBULAR STIMULATION
A65-82304
- BIOLOGICAL CONTROL SYSTEMS - VESTIBULAR EFFECT ON SPACE ORIENTATION OF MAN
NASA-CR-59441
N65-10363
- VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF AUTONOMIC NERVES AND SPINAL CORD
N65-13677
- METHODS OF SELECTING PERSONNEL BY VESTIBULAR TESTS
N65-13779
- SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER SENSITIVITY
FTD-TT-64-1052/16264
N65-17194
- SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO VESTIBULAR STIMULATION DURING ROTATION
JPRS-29571
N65-21363
- SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION IN HUMANS SUBJECTED TO CONTINUOUS ROTATION
NASA-CR-63865
N65-28872
- EFFECT OF PENETRATING RADIATION ON VESTIBULAR FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE WHOLE-BODY GAMMA IRRADIATION
N65-31381
- COMBINED EFFECTS OF VIBRATION AND ACUTE IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA PIGS
N65-31382
- ADAPTATION TO VESTIBULAR DISORIENTATION - NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY ANGULAR ACCELERATION
AK-65-24
N65-34303
- COMPARATIVE EFFECTS OF PROLONGED ROTATION AT 10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-67122
N65-36440
- VESTIBULAR TEST
MOTION SICKNESS RESISTANCE INDUCED BY REPEATED CORIOLIS STIMULATION AS INDICATED BY AUTONOMIC REACTION DATA AND ELECTRONYSTAGMOGRAMS
A65-24080
- VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS, SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS
A65-26773
- RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY
A65-30137
- COMPARISON OF ROTATORY AND CALORIC TESTS FOR DIAGNOSIS OF VESTIBULAR FUNCTION
A65-80586
- SIMPLIFICATION OF CLINICAL CALORIC TEST FOR VESTIBULAR FUNCTION WITH REDUCTION IN PERFORMANCE TIME
A65-81046
- VESTIBULAR THRESHOLD TESTS - DIAGNOSTIC VALUE AND RELATION TO NYSTAGMUS
A65-81724
- VESTIBULAR CALORIC TEST CARRIED OUT WITH FOUR SUBJECTS ON HUMAN CENTRIFUGE
A65-81805
- DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA
A65-82190
- RESISTANCE INDUCTION TO MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION
SAM-TR-64-87
N65-22076
- ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION
AM-65-18
N65-26956
- COMPARATIVE EFFECTS OF PROLONGED ROTATION ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND DEFECTIVE HUMAN SUBJECTS
NASA-CR-63799
N65-28350
- RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-64935
N65-33855
- VIABILITY
EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL PROCESSES IN GERMINATION OF SEED IN SOME HIGHER PLANTS ABOARD VOSTOK SPACECRAFT
A65-81595
- VIABILITY MONITOR TO OBTAIN FACTUAL QUANTITATIVE

VIBRATION

SUBJECT INDEX

- INFORMATION ON PHYSIOLOGICAL RESPONSES OF INDIVIDUALS
AMRL-TDR-62-98 /III/ N65-14491
- EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS IN STRATOSPHERE
NASA-CR-52518 N65-16979
- VIABILITY OF DIPHTHERIA BACTERIA IN WATER AND SALIVA - EFFECTS OF EVAPORATION, PARTICLE SIZE, AND TEMPERATURE
JPRS-29840 N65-22121
- LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE MICROORGANISMS OUTDOORS AND INDOORS
N65-23996
- VIABILITY OF ORGANISMS UNDER CONTROLLED ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO NATURAL CONDITIONS
N65-23998
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE EXISTENCE AND IDENTIFICATION OF VIABLE MICROORGANISMS AT HIGH ALTITUDES
N65-23999
- VIBRATION**
SA ACOUSTIC VIBRATION
SA OSCILLATION
SA RANDOM VIBRATION
- COMBINED EFFECT OF VIBRATION AND IONIZING RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW CELLS IN MOUSE
A65-80043
- MICROVIBRATION OF HUMAN BODY EXPLAINED BY RESONANCE THEORY
A65-80200
- VIBRATION EFFECT AND INCIDENCE OF GYNECOLOGIC COMPLAINTS IN FEMALE VEHICLE OPERATORS
A65-80446
- COMBINED ACTION OF X-RAY RADIATION AND VIBRATION ON BONE MARROW CELL MITOSIS OF MOUSE
A65-80535
- PASSAGE OF AUDIBLE ULTRASONIC VIBRATIONS THROUGH HUMAN SKULL BONES
A65-80802
- EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON MITOSIS OF BONE MARROW CELLS IN MICE
A65-80922
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES
A65-80927
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY IONIZING RADIATION AND VIBRATION DURING SPACE FLIGHT, IN VARIOUS ANIMALS
A65-80979
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING VIBRATION, ACCELERATION AND RADIATION EFFECTS DURING SPACE FLIGHT
A65-81325
- CUTANEOUS DISCRIMINATION OF MULTIPLE VIBRATORY STIMULI OF VARYING PATTERNS
A65-81376
- VISUAL PERFORMANCE AND EFFECT ON EYE UNDER CONDITIONS OF VIBRATION OF HUMAN SUBJECT OR OF VISUAL OBJECT
A65-81887
- EFFECT OF LOW FREQUENCY VIBRATION ON DIAMETER OF ERYTHROCYTES IN RATS
A65-81956
- VIBROTACTILE THRESHOLD OF HUMAN SKIN
A65-81961
- APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA DURING EXPOSURE TO VIBRATION, ACCELERATION AND GAMMA-RADIATION
A65-82077
- EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW CELLS IN MICE
A65-82078
- EFFECT OF COMBINED ACTION OF NOISE AND VIBRATION ON VIBRATION SENSITIVITY IN ADOLESCENTS
A65-82245
- VIBROTACTILE THRESHOLDS AS FUNCTION OF NUMBER OF PULSES IN HUMAN SKIN
A65-82284
- VIBRATION EFFECT ON HUMAN PERFORMANCE
AMRL-TR-64-83 N65-13996
- VECTORELECTROCARDIOGRAPHIC TECHNIQUES FOR DETERMINING HEART POSITION DURING VIBRATION
GE/EE/64-23 N65-14413
- ABSTRACTS ON SOVIET BIOASTRONAUTICS AND BIOTECHNOLOGY - RADIATION, GRAVITY, VIBRATION, ACCELERATION, ATMOSPHERE, ECOLOGY, SELECTION, TRAINING, MEDICAL MONITORING, AND BIOTELEMETRY
ATD-P-65-4 N65-16653
- IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION, AND VIBRATION
N65-17809
- ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018 N65-32718
- VIBRATION EFFECT**
L F VERTICAL VIBRATION AND X-RAY EFFECTS ON FREQUENCY OF DERANGED MITOSIS IN MEDULLA OSSIMUM OF MICE
A65-13398
- EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE BLOOD AND ERYTHROCYTES
A65-21941
- MECHANICAL VIBRATION EFFECT ON MITOSIS OF NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550
- HUMAN SUBJECTIVE REACTION TO WHOLE BODY VIBRATION
A65-25991
- VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT ON APPEARANCE OF DOMINANT LETHALS IN RUDDIMENTARY CELLS OF DROSOPHILA
A65-32302
- VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS ON BONE MARROW CELL DIVISION OF MICE
A65-32303
- HELICOPTER VIBRATION EFFECT ON PILOT ACCURACY IN POSITIONING TASK
A65-32984
- VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT ON HUMAN VISUAL CAPABILITIES
A65-35496
- MYELOPATHY IN WORKERS WITH OCCUPATIONAL VIBRATION EXPOSURE
A65-80192
- VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM AND ITS CATECHOLAMINE MEDIATORS IN RATS
A65-80233
- BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW FREQUENCY VIBRATIONS
A65-81364
- GENETIC CROSSOVER IN DROSOPHILA MALES UNDER INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA RADIATION
N65-10066
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING PROCESSES IN BRAIN TISSUES OF RATS
N65-13730
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND X-RAYS ON MAMMALIAN BONE MARROW CELLS
N65-15446
- VIBRATION EFFECTS ON HUMANS AND ANIMALS, OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES, VIBRATION ABSORBERS FOR WORKER PROTECTION, AND FREON GAS TOXICOLOGY
JPRS-28721 N65-16207
- SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY
NASA-TN-D-2710 N65-18214
- VIBRATION EFFECTS ON CENTRAL NERVOUS SYSTEM AND FUNCTION OF CORTEX OF SUPRARENAL GLAND IN PATIENTS SUFFERING VIBRATION SICKNESS

- FTD-TT-64-962/1 N65-22642
- CLINICAL DATA ON PATIENTS SUBJECTED TO VIBRATIONAL FREQUENCIES INDICATING CHANGES IN PERIPHERAL NERVOUS SYSTEM AND VESSELS N65-22643
- INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS IN MALE MINERS WITH SECOND AND THIRD STAGE VIBRATION SICKNESS N65-22644
- VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND ADRENALINE ACTIVITY UNDER EXPERIMENTAL CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN BLOOD OF PATIENTS WITH VIBRATION SICKNESS JPRS-30845 N65-27030
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM NASA-TT-F-9425 N65-27711
- SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING RADIATION, RADIAL ACCELERATION, VERTICAL VIBRATION, AND PROLONGED ACCELERATION ON PHYSIOLOGICAL RESPONSE IN ANIMALS NASA-TT-F-354 N65-31375
- EFFECT OF LOCAL AND TOTAL, SINGLE AND CHROMIC VIBRATION ON STATE OF PERIPHERAL AND CENTRAL NERVOUS SYSTEMS N65-31379
- EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG N65-31380
- COMBINED EFFECTS OF VIBRATION AND ACUTE IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA PIGS N65-31382
- EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE REFLEX IN GUINEA PIG N65-31384
- COMBINED EFFECTS OF VIBRATION AND RADIATION ON FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX ARC N65-31385
- VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL TISSUE OF RATS N65-31386
- MECHANISM OF COMBINED EFFECT OF VIBRATION AND IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL TISSUES OF RATS N65-31387
- COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS ON NUCLEI OF BONE MARROW CELLS IN MAMMALS N65-31388
- EFFECTS OF VIBRATIONS ON CHROMOSOMES/CELLS FROM VARIOUS ORGANISMS NASA-CR-64642 N65-33252
- SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS - AEROSPACE MEDICINE NASA-TT-F-350 N65-35828
- VIBRATION PERCEPTION**
SUBJECTIVE REACTION OF HUMAN MALES TO VIBRATION D3-6474 N65-14350
- VIBRATION PROTECTION**
VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT BACKREST INCLINATIONS A65-80174
- VIBRATION SIMULATOR**
BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE AMRL-TR-65-11 N65-30036
- VIBRATION TESTING**
VIBRATIONAL TESTING OF HUMANS FOR WHOLE BODY VIBRATION EFFECT ON VISUAL-MOTOR PERFORMANCE D3-3512-5 N65-18852
- VIBRATION TESTING OF HUMANS FOR WHOLE BODY VERTICAL VIBRATION EFFECT ON TRACKING PERFORMANCE D3-3512-6 N65-18853
- VIBRATIONAL STRESS**
HUMAN TRACKING PERFORMANCE IS LIMITED BY TOLERANCE FOR WHOLE BODY VIBRATION A65-10537
- VISUAL PERFORMANCE UNDER WHOLE-BODY VIBRATION A65-81226
- DEGREE OF RESPONSE OF VARIOUS PHYSIOLOGICAL SYSTEMS TO VIBRATION STRESS IN ALBINO RATS A65-81701
- CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON VENTILATION A65-81896
- VERTICAL SINUSOIDAL VIBRATION - EFFECT ON RESPIRATORY AIRFLOW AND TRANSPULMONARY PRESSURE A65-81897
- INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN DOGS A65-82092
- NOISE AND VIBRATION EXPOSURE CRITERIA A65-82093
- CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE A65-82148
- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES A65-82368
- BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL VIBRATION STRESS AMRL-TDR-64-58 N65-10467
- VIBROCARDIOGRAM**
PRECORIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION A65-22329
- VIEW FACTOR**
EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING CONDITIONS A65-22037
- VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO RECOGNITION OF FAMILIAR WORDS W-07004 N65-17144
- AIR TO GROUND TARGET RECOGNITION - TELEVISION CAMERA LENS FIELD OF VIEW EFFECT T5-133/3111 N65-22869
- VIGILANCE**
VIGILANCE FOR AUDITORY INTENSITY CHANGES AS FUNCTION OF PRELIMINARY FEEDBACK AND CONFIDENCE LEVEL A65-30099
- MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066
- VISUAL SIGNAL DETECTION DURING PERFORMANCE OF TWO CONCURRENT COGNITIVE TASKS A65-80242
- SIGNAL DETECTABILITY IN VIGILANCE TASK AS FUNCTION OF TRUE AND/OR FALSE KNOWLEDGE OF RESULTS A65-80300
- VIGILANCE PERFORMANCE IN MULTICHANNEL MONITORING A65-80348
- INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW DETECTION METHOD A65-80390
- VIGILANCE TASK PERFORMANCE AND INDICES OF PHYSIOLOGICAL AROUSAL A65-80560
- SEQUENTIAL ERROR IN TIME-SHARING MONITORING TASK A65-80707
- RELATION OF AGE TO VIGILANCE AND REACTION TIME A65-80738

- SUBLIMINAL DISCRIMINATION AND CONCEPT OF VIGILANCE
A65-80996
- SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND
SLEEP LOSS A65-81043
- AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL
RESPONSE AND VOLUNTARY RESPONSES A65-81121
- COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS
A65-81222
- PROBLEM OF SLEEP DURING NIGHT FLYING- VIGILANCE,
ACCIDENTS AND DRUGS A65-81446
- SKIN-CONDUCTANCE, ALPHA-ACTIVITY, AND VIGILANCE
A65-81582
- VIGILANCE PERFORMANCE WITH A QUALITATIVE SHIFT IN
REINFORCERS DURING AUDITORY TASK A65-81617
- TIME SHARING AND VIGILANCE ANALYSED IN VIEW OF
SIGNAL DETECTION THEORY A65-81657
- AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY
D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- RESPONSE LATENCY IN SIMPLE VIGILANCE TASK AS
FUNCTION OF TEMPORAL PATTERN OF STIMULATION
A65-81855
- RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND
ADRENALINE AND NORADRENALINE CONCENTRATION IN
HUMAN PLASMA DURING VIGILANCE TASK
TR-750-5 N65-11250
- PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3 N65-15728
- CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE,
WARNING LIGHT MONITORING, AND PROBABILITY
MONITORING TASKS AS FUNCTION OF WORKLOAD
AMRL-TR-65-22 N65-27092
- VIRUS**
- SA BACTERIA
- SA BACTERIOPHAGE
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-6 A65-81620
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT
FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN
SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624
- DIFFERENT ROUTES OF CHALLENGE OF COXSACKIE B
VIRUS ON COLD STRESSED MICE
AAL-TDR-64-2 N65-18973
- VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL
CULTURES N65-22311
- INTRAPERITONEAL INOCULATION OF MICE WITH SUBLETHAL
DOSAGES OF VIRUSES N65-22312
- HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS
INFECTION AND CONTROLLED FEVER IN CHIMPANZEES
N65-22761
- INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448
- PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
ACID
EUR-1648.F N65-36376
- VISCERA**
- PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS
AFTER ACCELERATION STRESS N65-13696
- VISIBILITY**
- SA LIGHT TRANSMISSION
- DEVELOPMENT OF PAINT SCHEME FOR INCREASING
AIRCRAFT DETECTABILITY AND VISIBILITY A65-81124
- VISIBLE RADIATION**
- CALCULATION OF RETINAL DOSE FROM VISIBLE RADIATION
OF NUCLEAR EXPLOSIONS
LA-3204-MS N65-19331
- VISIBLE SPECTRUM**
- PROSPECTIVE USES OF CONVERTING INVISIBLE AREAS OF
ELECTROMAGNETIC SPECTRUM TO VISIBLE SPECTRUM
RANGE
JPRS-29212 N65-20096
- VISION**
- SA BINOCULAR VISION
- SA BLINDNESS
- SA EYE
- SA FLASH BLINDNESS
- SA ILLUSION
- SA MONOCULAR VISION
- SA NIGHT VISION
- SA STEREOSCOPIC VISION
- FLIGHT FATIGUE AS RELATED TO VISUAL PROBLEMS AND
FLIGHT SAFETY A65-80028
- CRITICAL FLICKER FREQUENCY - THEORETICAL
INTERPRETATION OF VARIOUS QUALITATIVE AND
QUANTITATIVE ASPECTS A65-80459
- SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY
AUDITORY STIMULUS A65-80986
- TESTS OF FUNCTION OF PROPRIOCEPTION - INTERACTION
BETWEEN PROPRIOCEPTION AND VISION A65-81002
- VISUAL PROBLEMS AND OPTICAL ILLUSIONS
A65-81423
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION
RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR
APPARATUS A65-81694
- VISUAL PROBLEMS OF SPANISH AIRLINE PILOTS
A65-81785
- VISION AND EFFECTS OF SUPERSONIC FLIGHT
ENVIRONMENT A65-81787
- TOBACCO EFFECT ON DETECTION TIME AND RECOVERY TIME
AFTER GLARE A65-81884
- AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH
CORTICAL STIMULATION IN LATERAL THALAMUS
A65-81926
- EFFECT OF BREATHING UNDER PRESSURE ON VISION IN
HUMAN SUBJECTS A65-81942
- AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND
ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT
N65-13643
- SUSTAINED LOW MAGNETIC FIELD EFFECT ON VISION -
TEN DAY TEST ON FOUR MALE VOLUNTEERS
NASA-CR-56356 N65-16485
- HUMAN VISION DESCRIBED AS MECHANICAL INFORMATION
SYSTEM - CYBERNETICS AND INFORMATION THEORY
FTD-TT-64-401/1 N65-17173
- COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL
ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL
NOISE, AND ELECTRORETINOGRAMS
AFOSR-65-0039 N65-21449
- EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH
LUMINANCES
SAM-TR-65-12 N65-33405
- PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE
IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND
CONSEQUENCES

SUBJECT INDEX

VISUAL DISPLAY

- AM-65-11 N65-33981
- COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
FTR-1 N65-34419
- HUMAN VISION AND DEPTH PERCEPTION AGAINST
SIMULATED SPACE BACKGROUND
NASA-TN-D-2845 N65-34500
- VISUAL ACCOMMODATION**
- VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT
ON HUMAN VISUAL CAPABILITIES A65-35496
- ACHROMATIC AXIS OF EYE DETERMINED WITH RESPECT TO
CENTER OF PUPIL A65-36154
- ACCOMODATIVE ASTIGMATISM AND PATTERN ACUITY
A65-82200
- EFFECT OF FOCUS ON VISUAL RESPONSE TO SINUSOIDALLY
MODULATED SPATIAL STIMULUS AND RELATION TO NIGHT
MYOPIA A65-82201
- EFFECT OF VERTICAL ACCOMMODATION AND MOIRE EFFECT
IN BINOCULAR VISION A65-82266
- VISUAL ACUITY**
- SA MYOPIA
- PERIPHERAL VISUAL ACUITY RELATION TO TIME REQUIRED
TO LOCATE TARGET IN STATIC STRUCTURED DISPLAY
A65-10538
- TRANSIENT WEIGHTLESSNESS EFFECTS ON VISUAL ACUITY
AND BINOCULAR DEPTH PERCEPTION IN HUMANS
A65-22908
- SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE
BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC
PERCEPTION AND COLOR VISION A65-29058
- EFFECTIVENESS OF MONOCHROMATIC RADIATIONS IN
ENSURING LEVEL OF ACUTENESS OF DISCRIMINATION AND
CONTRAST SENSITIVITY A65-30078
- DIFFRACTION AND VISUAL ACUITY OF INSECTS
A65-36091
- EDGE EFFECTS OF MOVEMENT OF GRATING BEHIND FIXED
APERTURE LEADS TO SPURIOUS ESTIMATES OF OPTICAL
RESOLUTION IN INSECTS AND MAN A65-36092
- CONTACT LENS WEAR IN PILOTS - COMPARISON OF
PLASTIC CORNEAL LENS WITH NEW GEL-LENS UNDER
SIMULATED ALTITUDE A65-80153
- VISUAL THRESHOLD VARIABILITY IN FEMALE SUBJECTS
OVER 50-DAY PERIOD A65-80457
- APPARATUS FOR MEASUREMENT OF DYNAMIC VISUAL ACUITY
A65-80574
- TEST OBJECT SIZE AND EXPOSURE TIME AS RELATED TO
TRAINING OF PERIPHERAL VISUAL ACUITY
A65-80997
- DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO
THEIR FLYING PERFORMANCE A65-81117
- PERIPHERAL DYNAMIC VISION COMPARED WITH STATIC
VISUAL ACUITY A65-81118
- STATISTICAL TABLE FOR EVALUATION OF ACCIDENTS DUE
TO DEFECTIVE VISUAL ACUITY A65-81268
- DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE
TO SMOKING A65-81433
- EFFECT OF INCREASED LEAD-IN TIME ON KINETIC VISUAL
ACUITY DURING TARGET TRACKING A65-81684
- RELATIONSHIP BETWEEN STATIC AND DYNAMIC VISUAL
ACUITY A65-81978
- SPATIAL DISCRIMINATION TEST AS TEST OF VISUAL
ACUITY A65-82025
- ACCOMODATIVE ASTIGMATISM AND PATTERN ACUITY
A65-82200
- RELIABILITY OF VISUAL ACUITY TESTING A65-82230
- RECOVERY OF FOVEAL ACUITY FOLLOWING EXPOSURE TO
VARIOUS INTENSITIES AND DURATIONS OF LIGHT
A65-82259
- MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT
OBSERVATION A65-82289
- SMALL VISUAL ACUITY DEFECT IN RELATIONSHIP TO
COMPLETION OF FLIGHT TRAINING AND IN OPERATIONAL
FLYING
REPT.-2 N65-11096
- HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305
- SURVEY ON HUMAN VISUAL CAPABILITIES IN SPACE
FLIGHT
AD-606802 N65-11484
- RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557
- VISUAL FUNCTION AND ACUITY IN SPACE FLIGHT
JPRS-28646 N65-15867
- VISUAL ACUITY STANDARDS FOR SUBMARINE DUTY
REPT.-428 N65-18877
- VISUAL SEARCH EXPERIMENTS - ACUITY, RESPONSE TIME,
AND NOISE PERSISTENCE - BIOTECHNOLOGY
NAVWEPS-8731 N65-34683
- VISUAL AID**
- MACHINES AND VISUAL AIDS IN TEACHING
JPRS-29204 N65-19327
- VISUAL CONTROL**
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172
- NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA
AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES
A65-34985
- VISUAL CAPABILITIES IN ACQUISITION, HOMING AND
DOCKING PHASES OF SPACECRAFT RENDEZVOUS
A65-35491
- NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN
VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF
VERSION AND VERGENCE
NASA-CR-238 N65-25300
- VISUAL CUE**
- CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN
CONTROL SITUATIONS LIMITED TO USE OF VISUAL
VESTIBULAR SENSING OF MOTION A65-22032
- EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF
RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT
BTI-64-1 N65-12090
- COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE
SPACE RENDEZVOUS MANEUVERS, USING DIRECT
VISUAL CUES
AMRL-TR-65-10 N65-35632
- VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY
INSTRUCTED TARGET CHARACTERISTICS
T-125 N65-36786
- VISUAL DISCRIMINATION RECOVERY**
- EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH
LUMINANCES
SAM-TR-65-12 N65-33405
- VISUAL DISPLAY**
- CLASSIFICATION DIAGRAM FOR VISUAL DISPLAY SYSTEMS
OF MAN-MACHINE SYSTEMS A65-10541
- TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING
APPLIED TO CURRENT COMMERCIAL TRANSPORTS,
DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND

VISUAL FIELD

SUBJECT INDEX

HANDLING QUALITIES A65-14227

DISPLAY-CONTROL RELATIONSHIP, ABILITY TO SEE WHAT ONE IS DOING AND PHASE OF TRAINING INTERACTIONS IN SENSORIMOTOR TASK A65-80337

IGNORING IRRELEVANT INFORMATION IN IDENTIFICATION OF DESIGNATED SYMBOLS ON VISUAL DISPLAY A65-80706

EFFECT OF SYMMETRY ON VISUAL PERCEPTION OF TACHISTOSCOPIC PATTERNS A65-80736

DIFFERENCE IN PROCESS OF MASKING WITH BRIGHT LIGHT FLASH OR BY PATTERNS A65-80794

INTERMITTENT DISPLAY PRESENTATION IN COINCIDENCE JUDGEMENTS A65-81223

RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE NUCLEUS /DIENCEPHALON/ OF CAT TO MOVING VISUAL PATTERNS A65-81302

VISUAL PRESENTATION OF AIRCRAFT INFORMATION A65-81334

COMPARISON OF CONVENTIONAL AND DIGITAL TIME DISPLAYS A65-82006

TRANSFER OF TRAINING BETWEEN QUICKENED AND UNQUICKENED DISPLAYS. A65-82329

PILOT PERFORMANCE USING VISUAL DISPLAY FOR GUIDING HIGH SPEED AIRCRAFT IN CLOSE PROXIMITY TO TERRAIN NASA-TN-D-1827 N65-11043

PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL VISUAL DISPLAY D228-421-019 N65-19440

VISUAL FIELD

BINOCULAR RIVALRY AND STEREOPSIS EXPLAINED ON BASIS OF BINOCULAR CYCLOPEAN FIELD A65-80245

RETINAL LOCUS IN TACHISTOSCOPIC BINOCULAR COLOR RIVALRY A65-80254

FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES A65-80402

ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL FIELD SIZE A65-80570

BRIGHTNESS CONTRAST OF VISUAL FIELD A65-80685

ADAPTATION TO PRISMATICALLY ROTATED VISUAL FIELDS A65-81020

BINOCULAR MASKING INDUCED BY MOVING OBJECT IN PART OF EITHER OF TWO BINOCULAR FIELDS A65-81407

COMPARISON OF SPATIAL DISCRIMINATION IN TEMPORAL AND NASAL SECTORS OF MONOCULAR VISUAL FIELD A65-81646

PHENOMENAL VERTICAL AND PERCEPTION OF CHANGE IN SPATIAL ORIENTATION A65-81655

VISUAL FIELD AND LETTER SPAN A65-81983

PATTERN PERCEPTION USING STABILIZED RETINAL IMAGE A65-82104

TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION ACCURACY IN ENVIRONMENT DEVOID OF DETAIL NAVTRADVCEN-1H-13 N65-10260

VISUAL OBSERVATION

VISUAL DISTANCE ESTIMATION IN SPACE USING ANGULAR SUBTENSE, ILLUMINANCE AND LUMINANCE OF CELESTIAL AND ORBITAL BODIES A65-35481

VISUAL OBSERVATION BY PILOTS OF AMERICAN AND SOVIET SPACECRAFT A65-35482

VISUAL OBSERVATION BY ASTRONAUT OF ANOTHER SPACE VEHICLE FOR SPACECRAFT RENDEZVOUS PURPOSES A65-35483

MANNED SPACECRAFT FOR SURVEILLANCE AND RECONNAISSANCE USING UNAIDED VISION AND MAN-PERISCOPIC VISION A65-35489

MONOCULAR DISCRIMINATION BY TRAINED GOLDFISH OF DIFFERENT PATTERNS AND COLORS, SHOWING INTERHEMISPHERIC COLOR INFORMATION TRANSFER MORE EFFECTIVE THAN PATTERN A65-35588

VISUAL OBSERVATION AND FACTOR ANALYSIS OF OBJECTIVE ELECTRICAL VESTIBULOGRAMS A65-80261

VISUAL OBSERVATION OF H-RESPONSE IN ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL EXPOSED TO PHOTIC STIMULATION AS RELATED TO MIGRAINE A65-81974

VISUAL SEARCH FOR TARGETS NAVWEPS-8406 N65-12535

VISUAL OBSERVATIONS OF FLIGHT INSTRUMENTS BY PILOT N65-13694

VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE MOVEMENT NASA-CR-63651 N65-27513

PROBABILITY OF VISUAL DETECTION OF RECONNAISSANCE AIRCRAFT BY GROUND OBSERVERS RM-4562-PR N65-35947

VISUAL PERCEPTION

SA BINOCULAR RIVALRY

SA COLOR PERCEPTION

SA FIGURAL AFTEREFFECT

SA FORM PERCEPTION

INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE SITUATIONS A65-10536

EYE MOVEMENT RECORDER FOR STUDYING VISUAL ILLUSIONS OF ROTATION A65-10545

EVOKED RESPONSES IN RELATION TO OCULOMOTOR REACTION TIMES AND VISUAL PERCEPTION IN MAN A65-16466

UNIFORMLY ILLUMINATED SURFACE LUMINOSITY FLUCTUATIONS DUE TO CORPUSCULAR NATURE OF LIGHT AS VIEWED BY HUMAN OBSERVOR A65-18424

COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV SCREEN SIMULATING VISUAL APPROACH AND LANDING A65-26416

VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS, SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS A65-26773

SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS DETERMINED, USING ADDITION CURVES FOR NORMAL TRICHROMATES A65-30076

NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS ATTRIBUTED TO VISUAL ILLUSION INVOLVING OVERESTIMATION OF ALTITUDE A65-30100

MINIMUM ATTENTION DISPLAY TECHNIQUE PERMITS MAXIMUM TRANSFER OF GUIDANCE INFORMATION TO OBSERVER WITHOUT EXCESSIVE SENSORY COMMITMENT TO DISPLAY A65-35171

HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING OPERATION RESTRICTED TO BLACK AND WHITE, NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA MODEL A65-35344

SUBJECT INDEX

VISUAL PERCEPTION

- HUMAN SPACE PERCEPTION ANALYSIS SHOWING THAT INTERPRETIVE SCALING OF VISUAL ANGLE IS KEY FACTOR IN SIZE, DISTANCE AND MOTION ESTIMATION A65-35345
- BOOK ON VISUAL CAPABILITIES IN SPACE ENVIRONMENT INCLUDING ASTRONAUTS AND COSMONAUTS EXPERIENCES, SPACE CABIN ATMOSPHERE INFLUENCE, VISUAL DISPLAYS FOR SPACE SYSTEMS, ETC A65-35480
- INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION FOR MANNED SPACE FLIGHT A65-35485
- VESTIBULAR SIMULATION EFFECTS ON VISUAL PERCEPTION FROM MANNED SPACE FLIGHT A65-35486
- LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR MANNED SPACECRAFT A65-35487
- SPACE CABIN ATMOSPHERE CONTAMINANTS EFFECT, PARTICULARLY OZONE, ON VISUAL PERCEPTION A65-35488
- STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF PROJECTED STAR FIELD FOR SPACE ENVIRONMENT SIMULATION A65-35493
- INVESTIGATION OF VISUAL REQUIREMENTS FOR LANDING SPACECRAFT ON MOON AND SUBSEQUENTLY ACHIEVING RENDEZVOUS WITH COMMAND MODULE IN ORBIT A65-35494
- AGE AND STIMULUS SIZE EFFECTS ON PERCEPTION IN MAN A65-80014
- CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT - SENSORY DEPRIVATION A65-80024
- INHIBITION OF SIMPLE VISUAL REACTION TIME BY SECOND STIMULUS - FAILURE TO REPLICATE RESULT A65-80026
- MODIFICATION IN VISUAL AND KINESTHETIC AFTEREFFECT DURING SENSORY DEPRIVATION A65-80084
- SHORT-TERM MEMORY AND RETROACTIVE INTERFERENCE IN VISUAL PERCEPTION A65-80091
- PARADOXICAL EFFECT OF HOMOGENEOUS LIGHT STIMULATION ON FIGURAL AFTEREFFECT A65-80093
- DECREASE OF SUBJECTIVE OPTICAL FUSION FREQUENCY FOLLOWING VISUAL TASK A65-80151
- ABILITY OF PIGEON TO DISCRIMINATE SOLAR MOVEMENT AND RELATION TO ASTRONAVIGATION A65-80237
- GAMMA MOVEMENT- APPARENT MOVEMENT IN FIGURAL AFTEREFFECTS EXPERIMENTS A65-80255
- INTERMODAL DIFFERENCES IN PERCEPTUAL DELAY AND SPEED OF READING AND TAPPING A65-80259
- MOON ILLUSION - VISUAL FACTORS AFFECTING APPARENT SIZE A65-80324
- SENSORY-FEEDBACK ANALYSIS OF BEHAVIOR IN STEREOTELEvised VISUAL FIELD A65-80344
- INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL AND AUDITORY PERCEPTUAL EFFICIENCY A65-80381
- FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES A65-80402
- TEMPORAL PARAMETERS OF BINOCULAR RIVALRY A65-80406
- CRITICAL FLICKER FREQUENCY INFLUENCED BY REPEATED MEASUREMENT AND INTERVAL BETWEEN SESSIONS A65-80456
- CRITICAL FLICKER FREQUENCY - THEORETICAL INTERPRETATION OF VARIOUS QUALITATIVE AND QUANTITATIVE ASPECTS A65-80459
- FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC INTERMITTENCY A65-80460
- PERCEPTION OF OBJECTS IN TERMS OF VISUAL ANGLE A65-80507
- SENSORY DEPRIVATION, PERSONALITY FACTORS, AND EXPERIENCE OF VISUAL IMAGERY A65-80516
- SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED, EXPOSURE TIME, AND DISTANCE A65-80517
- MEMORY FOR AURALLY AND VISUALLY PRESENTED MATERIAL AS FUNCTION OF PRESENTATION RATE A65-80519
- ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL FIELD SIZE A65-80570
- EYE MOVEMENTS MEASURED DURING MICHOTTE LAUNCHING EVENT A65-80594
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION AND OCULOMOTOR REACTION TIMES IN MAN A65-80645
- BINOCULAR FUSION NOT AFFECTED BY OBSERVER INTERPRETATION OF STIMULUS A65-80686
- U-SHAPED BACKWARD MASKING FUNCTION IN VISION A65-80687
- IGNORING IRRELEVANT INFORMATION IN IDENTIFICATION OF DESIGNATED SYMBOLS ON VISUAL DISPLAY A65-80706
- EFFECT OF SYMMETRY ON VISUAL PERCEPTION OF TACHISTOSCOPIC PATTERNS A65-80736
- CONTRAST HYPOTHESIS OF FIGURAL AFTER-EFFECTS A65-80737
- NONLINEAR AND SPATIAL EFFECTS IN PERCEPTION OF FLICKER A65-80768
- RCD-CONE INDEPENDENCE IN AFTER-FLASH EFFECT A65-80804
- SPECIFICITY OF CONE INTERACTION IN AFTER-FLASH EFFECT A65-80805
- OCULOMOTOR RESPONSE TO SMALL TARGET REPLACEMENTS A65-80806
- NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON DIOXIDE POISONING TREATED WITH ETHOPROPAZINE A65-80822
- CONTOUR EFFECT ON SIMULTANEOUS BRIGHTNESS CONTRAST A65-80853
- DIFFERENTIAL VISUAL FEEDBACK OF COMPONENT MOTIONS A65-80854
- EXTRANEIOUS STIMULATION EFFECT ON VISUAL PERCEPTION OF VERTICALITY - FAILURE TO REPLICATE A65-80855
- IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI RELATED TO AGE A65-80864
- AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS AUDITORY AND VISUAL STIMULATION A65-80865
- SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI A65-80870
- OBJECT IDENTIFICATION ON BASIS OF EDGE AND SURFACE CHARACTERISTICS A65-81008

VISUAL PERCEPTION CONTO

SUBJECT INDEX

- REACTION TIME AS FUNCTION OF ONSET AND OFFSET
STIMULATION OF RETINAL FOVEA AND PERIPHERY
A65-81009
- OBJECT RECOGNITION AS FUNCTION OF NUMBER OF
DIFFERENT VIEWS DURING TRAINING
A65-81088
- EYE AND OTOLITHS
A65-81113
- DIFFICULTY IN DISCRIMINATING BETWEEN RELEVANT AND
IRRELEVANT INFORMATION RELATED TO AGE
A65-81122
- AGING AND VISUAL IDENTIFICATION OF TACTUAL-
KINESTHETIC FORMS
A65-81123
- CHOICE REACTION TIMES AND THRESHOLDS OF VISUAL
PATTERNS AS FUNCTION OF EXPOSURE DURATION
A65-81169
- INTERMITTENT DISPLAY PRESENTATION IN COINCIDENCE
JUDGEMENTS
A65-81223
- VISUAL PERFORMANCE UNDER WHOLE-BODY VIBRATION
A65-81226
- INTERVENING NEURAL ACTIVITY IN VISUAL PERCEPTION -
HYPOTHETICAL CONSTRUCT
A65-81244
- SPATIAL ORIENTATION EFFECT ON POGENDORFF ILLUSION
A65-81316
- CONTRAST SENSITIVITY IN TEST FIELD WITH BRIGHT
SURROUND
A65-81419
- FIGURE-GROUND CONTRAST AND CONTOUR ORIENTATION ON
FIGURAL MASKING
A65-81439
- DEPENDENCE OF PERCEPTION OF PHOTIC SIGNALS ON
INTERVALS BETWEEN THEM AND AFTER EFFECT ON
ELECTROMYOGRAM AND ELECTROENCEPHALOGRAM
A65-81455
- CORRELATION OF AUDITORY AND VISUAL AUTOKINETIC
EFFECTS
A65-81557
- SUCCESSIVE COMPARISON OF VISUAL SIZE-STUDY OF
POSITIVE TIME ERROR
A65-81565
- EFFECTS OF INDUCED MUSCLE TENSION AND AUDITORY
STIMULATION ON TACHISTOSCOPIC PERCEPTION
A65-81567
- PATTERN RECOGNITION IN RANDOM AND ORDERLY
PRESENTATION OF VISUAL SEQUENCES.
A65-81571
- BACKGROUND REFLECTANCE AND CATEGORY-SCALING OF
GRAY PAPERS
A65-81580
- PERCEIVED SLANT AS FUNCTION OF RELATIVE HEIGHT.
A65-81641
- EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT
ARM MOTIONS DURING COMPENSATION FOR DISPLACED
VISION
A65-81647
- NON-ADDITIVITY OF PERCEIVED DISTANCE WITH
MUELLER-LYER FIGURE
A65-81648
- BODILY ACTIVITY AND PERCEPTUAL ACTIVITY
A65-81652
- TWO DIFFERENT AFTER-EFFECTS OF EXPOSURE TO VISUAL
TILTS
A65-81662
- INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND
EXTENT OF AUTOKINETIC MOVEMENT
A65-81750
- ISOLATION EFFECT IN VISUAL PATTERN PERCEPTION
SIMILAR TO EFFECT IN SERIAL LEARNING
A65-81751
- INTEROCULAR TRANSFER AND NEGATIVE AFTEREFFECT
AFTER PRISM-INDUCED DISTORTION OF VISION
A65-81857
- RADAR TARGET DETECTION AS FUNCTION OF SEARCH AREA
AND VIEWING DISTANCE
A65-81885
- VISUAL PERFORMANCE AND EFFECT ON EYE UNDER
CONDITIONS OF VIBRATION OF HUMAN SUBJECT OR OF
VISUAL OBJECT
A65-81887
- SENSORY DEPRIVATION EFFECT ON VISUAL RECOGNITION
THRESHOLDS
A65-81933
- RAPID ADAPTATION IN CONSTANCY OF VISUAL DIRECTION
WITH ACTIVE AND PASSIVE ROTATION
A65-81934
- FORCED-CHOICE METHOD FOR USE IN BACKWARD-MASKING
STUDIES WITH DISC-RING PATTERN
A65-81960
- VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT
EXAFFERENT STIMULATION
A65-81980
- DISCRIMINABILITY AND SCALING OF LINEAR EXTENT
A65-81981
- VISUAL FIELD AND LETTER SPAN
A65-81983
- PRIMACY OF FORM CRITERION IN PERCEPTUAL JUDGMENTS
A65-81985
- ACOUSTIC FACILITATION OF VISUAL DETECTION
A65-82035
- PERCEPTION OF ILLUSIONS AS CONSTANCY PHENOMENON
A65-82105
- ANALYSIS OF VISUAL AND PROPRIOCEPTIVE COMPONENTS
OF MOTOR SKILL USING NITROUS OXIDE
A65-82112
- VESTIBULAR AND VISUAL PERCEPTUAL DISTURBANCE AND
DIFFICULTIES OF RECOVERY FROM AERODYNAMIC SPIN
A65-82127
- CONTRAST SENSITIVITY OF HUMAN EYE FOR SQUARE-WAVE
GRATINGS
A65-82199
- EFFECT OF TARGET SIZE, LUMINANCE, AND COLOR ON
MONOCULAR FIXATION
A65-82202
- VARIATION OF ATMOSPHERIC SEEING BLUR WITH DISTANCE
OF OBJECT TO OBSERVER
A65-82224
- STIMULUS DIMENSIONS OF ROTATING SPIRALS
A65-82231
- REINTERPRETATION OF ONE FORM OF BACKWARD AND
FORWARD MASKING IN VISUAL PERCEPTION
A65-82233
- SPATIAL AND TEMPORAL DETERMINANTS OF VISUAL
BACKWARD MASKING
A65-82234
- ANALYSIS OF SATIATION-FATIGUE MECHANISM OF FIGURAL
AFTER-EFFECTS
A65-82257
- VISUAL NOISE CAUSES TUNNEL VISION
A65-82281
- SELECTIVE INTERMANUAL TRANSFER OF ADAPTIVE EFFECTS
DURING ADAPTATION TO PRISM
A65-82282
- FORWARD AND BACKWARD MASKING IN VISUAL PERCEPTION
A65-82285
- U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE
A65-82286
- COMPLEXITY JUDGMENTS OF PHOTOGRAPHS RELATED TO
LOOKING TIME
A65-82330
- CONTRIBUTION OF PERCEPTUAL SEGREGATION TO
RELATIONSHIP BETWEEN STIMULUS SIMILARITY AND
BACKWARD MASKING.
A65-82332
- VISUAL PERCEPTION - ADAPTATION TO ARTIFICIAL
CHROMATIC DISTORTIONS AND NATURAL VISUAL DEFECTS
REPT.-1
N65-12731
- THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE
VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY
N65-13644

SUBJECT INDEX

VISUAL STIMULUS

- LATENT FORM OF MOTION SICKNESS IN HEALTHY MALES -
EFFECT ON VISUAL ANALYZER N65-13711
- CHANGES IN EXCITABILITY AND LABILITY OF VISUAL
ANALYZER UNDER PROLONGED NONSTOP FLIGHTS IN
MULTIPASSENGER TURBOPROP AIRCRAFT N65-13764
- HUMAN VISUAL ANALYZER AND ELECTRONIC MODEL OF
HEART - BIOPHYSICS AND PSYCHOLOGY
JPRS-28234 N65-14747
- SAMPLING THEORY FOR HUMAN VISUAL SENSE
NASA-CR-60618 N65-16657
- CORTICAL CONTROL OF EYE MOVEMENTS AND VISUAL
THRESHOLD
AD-453155 N65-18000
- CONTIGUOUS UNIOCLAR OR SEPARATE BINOCULAR
LUMINOUS INTENSITY PERCEPTION OF LIGHT FLASHES
NAVTRADEVEN-IH-16 N65-18074
- PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY
OF BRAIN
RSIC-298 N65-20526
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL
ESD-TR-64-557 N65-21144
- INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS
NASA-TM-X-51729 N65-21479
- HUMAN VISUAL PERCEPTION AND VISUAL BEHAVIOR
RESPONSES TO STIMULI
AD-455490 N65-21897
- VISUAL DETECTION OF GROUND TARGETS FROM AIRCRAFT
NOTS-TP-3645 N65-26145
- VISUALLY-EVOKED POTENTIALS IN MAN RECORDED
TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE
SUFFERING FROM CEREBRAL DISEASES - CENTRAL
NERVOUS SYSTEM N65-28751
- HUMAN ELECTROENCEPHALOGRAM AND ELECTRODERMAL
RESPONSE CHANGES WITH TEMPORARY CONNECTION
BETWEEN MOTOR AND VISUAL ANALYZERS IN
RINESTHETIC AND PHOTIC STIMULATION PAIRING
FTO-TT-65-434/162 N65-30015
- INVESTIGATION OF PRESENCE OR ABSENCE OF VISION
DURING INVOLUNTARY SACCADIC EYE MOVEMENTS
UNDER CONDITIONS OF NORMAL STEADY FIXATION
AD-617409 N65-33012
- THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH
PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF
COLOR PERCEPTION
AD-611401 N65-33479
- PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE
IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND
CONSEQUENCES
AM-65-11 N65-33981
- MAGNITUDE OF GRAVITOTINERTIAL FORCE, INDEPENDENT
VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF
HORIZONTAL-SPACE PERCEPTION
NASA-CR-67538 N65-36426
- VISUAL SIGNAL
THEORY OF DETECTABILITY OF SIGNAL USED TO
CALCULATE CERTAIN PSYCHOMETRIC FUNCTIONS
N65-18362
- VISUAL STIMULUS
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER
RADIATION HUMAN EYE CAN ABSORB A65-12397
- STIMULUS INTENSITY AND PHOTICALLY EVOKED CEREBRAL
RESPONSE AS POSSIBLE OBJECTIVE INDEX OF BRIGHTNESS
PERCEPTION FOR MAN A65-24831
- EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY
OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL
STIMULATION A65-80191
- EOSINOPHIL REACTION TO OCULAR LIGHT STIMULI
MEASURED IN MAN AND MOUSE A65-80194
- FOVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING
FUSION MOVEMENTS IN LIGHT ADAPTED EYES A65-80509
- LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO
VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS
A65-80591
- CHARACTER OF CONDITIONED REFLEXES TO COMBINED
ACOUSTIC AND VISUAL STIMULI IN DOGS A65-80699
- DEPENDENCE OF RESPONSE OF INDIVIDUAL NEURONS OF
RABBIT LATERAL GENICULATE BODY ON THE INTENSITY
OF LIGHT STIMULUS A65-80701
- INTERACTION BETWEEN EVOKED POTENTIAL AND
BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL
CORTEX A65-80702
- INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY
AUDITORY AND VISUAL STIMULI IN RABBITS A65-80703
- CHANGES IN CEREBRAL POTENTIALS EVOKED BY COMBINED
STIMULI OF TWO MODALITIES A65-80711
- SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD
AND SPATIAL DIRECTION OF STIMULUS OBJECT A65-80735
- PHASE SHIFT EFFECT ON PERCEPTION OF ALTERNATING
COLORED STIMULI A65-80769
- ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM
DETERMINED BY MEASURING FLICKER THRESHOLD,
BRIGHTNESS, AND PUPILLOMOTOR EFFECT OF MODULATED
LIGHT A65-80770
- ELECTROENCEPHALOGRAPHIC RESPONSE DURING
STIMULATION WITH FLICKERING LIGHT IN HUMANS
A65-80772
- CORTICAL AND OCULAR ELECTRICAL RESPONSES TO
INTERMITTENT LIGHT STIMULATION IN MAN A65-80773
- RELATIONS BETWEEN ELECTRORETINOGRAMS AND OCCIPITAL
POTENTIALS ELICITED BY FLICKERING STIMULI A65-80774
- ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF
MAN TO COLOR FLICKER STIMULI A65-80775
- INFLUENCE OF VISUAL AND AUDITORY STIMULI ON
ELECTROENCEPHALOGRAM OF CAT AND MAN A65-80776
- INFLUENCE OF ATTENTION ON OCCIPITO-CORTICAL
RESPONSES TO LIGHTFLASHES IN MAN A65-80777
- HUMAN ELECTRORETINOGRAM RESPONSE TO SLOW
FLICKERING LIGHT STIMULUS AS RELATED TO COLOR
VISION AND EYE DISEASE A65-80778
- HUMAN ELECTRORETINOGRAM AS AFFECTED BY SLOW
INTERMITTENT LIGHT STIMULATION A65-80779
- EFFERENT INHIBITION OF SINGLE ELECTRORETINOGRAM
RESPONSES OF CONTRALATERAL EYE IN MAN A65-80780
- INFLUENCE OF ATTENTION AND SUPPRESSION ON FLICKER
ELECTRORETINOGRAM AS RELATED TO FLICKERING
RESPONSE OF OCCIPITAL ELECTROENCEPHALOGRAM
A65-80781
- VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS
WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC
ACTIVITY A65-80783
- ELECTRORETINOGRAPHIC MEASUREMENTS IN DARK ADAPTED
HUMAN EYE A65-80784
- EVOKED RESPONSES OF VISUAL CORTEX- SPECTRAL

VISUAL SYSTEM

SUBJECT INDEX

- SENSITIVITY OF HUMANS A65-81184
- ESTIMATION OF LIGHT STIMULATOR POSITION RELATED TO EYE MOVEMENT A65-81195
- EYE MOVEMENTS DURING OBSERVATION OF MOVING OBJECT A65-81196
- EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAM A65-81353
- ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN MONKEYS OF DIFFERENT AGES IN RESPONSE TO RHYTHMICAL LIGHT FLASHES A65-81354
- STUDIES ON VISUAL EVOKED RESPONSE - USE OF 0.06 DEGREE RED TARGET FOR EVALUATION OF FOVEAL FUNCTION A65-81532
- VISUAL EVOKED CORTICAL RESPONSE IN CAT A65-81533
- INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF NEURONS OF OPTIC ZONE DURING ACTION OF SOUND STIMULUS A65-81626
- EFFECT OF VISUAL STIMULI ON DREAM CONTENT DURING SLEEP A65-81653
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT FLASH DURING HIGH ALTITUDE SIMULATION IN LOW PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS A65-81669
- EFFECTS OF AUDITORY AND OPTICAL STIMULI DISCONTINUANCE ON ELECTROENCEPHALOGRAM IN CATS. A65-81713
- EFFECT OF FOCUS ON VISUAL RESPONSE TO SINUSOIDALLY MODULATED SPATIAL STIMULUS AND RELATION TO NIGHT MYOPIA A65-82201
- FOVEAL FLICKER FUSION USING MOVING STIMULUS A65-82333
- NORMAL DISTRIBUTION OF HUMAN REACTION TIMES TO VISUAL STIMULUS A65-82337
- PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI N65-13645
- CHARACTERISTICS OF OPTOKINETIC NYSTAGMUS AFTER PROLONGED OPTOKINETIC STIMULATION N65-13698
- EFFECT OF ANGULAR ROTATION VELOCITIES ON STATE OF PHYSIOLOGICAL SYSTEMS AND SEVERAL VISUAL FUNCTIONS N65-13766
- HUMAN VISUAL PERCEPTION AND VISUAL BEHAVIOR RESPONSES TO STIMULI AD-455490 N65-21897
- VARIATION IN VISUAL AND AUDITORY STIMULATION EFFECTS ON GASTROINTESTINAL MOTILITY TR-12 N65-22946
- BIOPHYSICS STUDY INCLUDING EYE TRACKING SYSTEM AND STIMULATED EYE MOVEMENT JPRS-30575 N65-28094
- EVALUATION OF LIGHT STIMULATOR POSITION AND MOVEMENTS OF EYES USING HUMAN SUBJECTS N65-28095
- PERCEPTION OF AUDITORY PATTERNS AS FUNCTION OF INCIDENTAL VISUAL STIMULATION TR-21 N65-28173
- VISUAL SYSTEM**
- HUMAN VISUAL SYSTEM IN TERMS OF OPTICS AND ENERGY PULSES, DETAILING COLOR VISION A65-12431
- OPHTHALMOLOGICAL CONSIDERATIONS OF VISUAL PROBLEMS OF SPACE FLIGHT A65-14807
- SOMAESTHETIC AND ACOUSTIC STIMULI EFFECT ON THRESHOLD OF FUSION OF PAIRED LIGHT FLASHES IN HUMAN SUBJECTS A65-80335
- FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC INTERMITTENCY A65-80460
- EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE SLEEP A65-80616
- EXCITABILITY CYCLE OF HUMAN VISUAL CORTEX A65-80640
- VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX A65-80641
- PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES DURING SLEEP IN MAN A65-80642
- ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES TO LIGHT FLASH A65-80643
- EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM ON THERMORECEPTORS OF HUMAN SKIN A65-80715
- EFFECT OF AREA STIMULATED AND DURATION OF THERMAL STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY NEURON FUNCTION A65-80718
- FLICKER PROBLEMS AS RELATED TO PHYSICS, ELECTRONICS, CELLULAR PHYSIOLOGY, ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY A65-80767
- ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM DETERMINED BY MEASURING FLICKER THRESHOLD, BRIGHTNESS, AND PUPILLOMOTOR EFFECT OF MODULATED LIGHT A65-80770
- TEMPORAL AND SPATIAL VISUAL MASKING - MASKING BY IMPULSE FLASHES A65-81015
- NEGATIVE FLASHES, POSITIVE FLASHES, AND FLICKER EXAMINED BY INCREMENT THRESHOLD TECHNIQUE A65-81016
- PERCEPTION OF CONTOURS IN CENTRAL FOVEA IN MAN A65-81079
- EVOKED POTENTIALS AND CORRELATED JUDGMENTS OF BRIGHTNESS AS FUNCTIONS OF INTERFLASH INTERVALS A65-81158
- LINEARIZATION OF EVOKED RESPONSES OF CEREBRAL CORTEX TO SINE WAVE-MODULATED LIGHT BY NOISE A65-81346
- CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF MONKEY RETINA A65-81494
- LINEAR MODEL FOR VISUAL TRANSFER CHARACTERISTICS IN MESOPIC REGION-RESPONSE/STIMULUS PEAK-TO-PEAK MEASUREMENTS OF SPATIAL SINE-WAVE PATTERNS A65-81576
- DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION OF CENTRAL AND PERIPHERAL RETINA A65-81656
- SYNCHRONIZATION OF INITIAL AFFERENT FLOW IN VISUAL SYSTEM IN CAT A65-81705
- CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY AUDITORY AND SOMATIC STIMULATION IN CATS A65-81931
- RESPONSES OF VISUAL SYSTEM TO OPTOKINETIC STIMULI IN RABBITS A65-82227
- INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT, GENICULATE BODY, AND CORTEX OF CAT A65-82355
- INFORMATION THEORY APPLIED TO NEURAL NETS AND MOTOR AND VISUAL NERVOUS SYSTEMS AMRL-TR-64-80 N65-11898

SUBJECT INDEX

VOLTAGE GENERATOR

CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN
RECOGNITION - DIGITAL COMPUTER MODEL
GE/EE/64-22 N65-26347

RETINAL IMAGE AND TRANSFORMATION WITHIN VISUAL
SYSTEM N65-26531

ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL
SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM
N65-28752

VISUAL MASKING USING VARIOUS TEST STIMULUS
PATTERNS
NASA-TM-X-51978 N65-29381

VISUAL TASK

MULTIMAN TEAM PERFORMANCE FOR VISUAL MONITORING
TASK A65-10539

LIGHT FLASH PROPORTION DETERMINATION DETECTED BY
SUBJECTS AS FUNCTION OF TWO FLASH GROUPINGS AND
TWO LEVELS OF FLASH INTENSITY A65-18293

VISUAL AND MOTION SIMULATION TECHNIQUES APPLIED IN
SPACE FLIGHT RESEARCH A65-29092

PROGRAM OF VISUAL EXPERIMENTS FOR ORBITAL RESEARCH
LABORATORIES INCLUDING GEMINI AND APOLLO TEST
SCHEDULE FOR EVALUATION OF HUMAN VISION IN SPACE
A65-35495

MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001

INTRINSIC EYE MOVEMENT NOISE DURING VISUAL TASK
A65-80048

SIGNAL APPEARANCE PROBABILITY AND EFFECT ON
PROCESS OF ITS DETECTION DURING VISUAL TASK
A65-80104

DECREASE OF SUBJECTIVE OPTICAL FUSION FREQUENCY
FOLLOWING VISUAL TASK A65-80151

EYE MOVEMENT PATTERNS AS FUNCTION
OF PREVIOUS TACHISTOSCOPIC PRACTICE
A65-80247

SIGNAL DETECTABILITY IN VIGILANCE TASK AS FUNCTION
OF TRUE AND/OR FALSE KNOWLEDGE OF RESULTS
A65-80300

PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF
TWO AGE GROUPS IN HOT CONDITIONS
A65-80629

SEQUENTIAL ERROR IN TIME-SHARING MONITORING TASK
A65-80707

RECALL OF VISUAL SYMBOLS RELATED TO DIFFERENTIAL
VALUE, MEMORY LOAD, AND EXPOSURE TIME
A65-80791

BINARY PURE-TONE AUDITORY DISPLAYS EVALUATED
A65-81125

INTERMITTENT LIGHT STIMULATION EFFECT ON CRITICAL
FUSION FREQUENCY A65-81224

SIMULTANEOUS VISUAL DISCRIMINATION PERFORMANCE OF
MONKEY AFTER ADMINISTRATION OF MEPROBAMATE
A65-81440

VISUAL CONTROL OF HABITUATION TO COMPLEX
VESTIBULAR STIMULATION IN MAN A65-81538

BLINKING REFLEX AS INDICATOR OF DEGREE OF SKILL
ATTAINED IN PRACTICE OF VISUAL-MOTOR TASK
A65-82174

PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129 N65-24418

VISUAL TRACKING

EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-
ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING
CONDITIONS A65-22037

OCULOMOTOR CONTROL DISTURBANCE AND RETINAL IMAGE
STABILIZATION DURING FLIGHT CONSIDERING VISUAL
TRACKING AND VESTIBULO-OCULAR MECHANISMS
A65-24082

RETINAL IMAGE FIXATION DURING NORMAL BODY AND HEAD
MOVEMENT, EMPHASIZING NEUROMUSCULAR OUTPUTS TO
EYE-IN-SKULL AND SKULL-ON-BODY SPATIAL PLATFORMS
A65-26978

VITAMIN

VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF
RETINA BY INTERACTION OF VISUAL CELL OUTER
SEGMENTS AND RETINAL MICROSOMES
A65-80585

RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS A65-81300

PRODUCTION OF THIAMINE, RIBOFLAVIN, FOLIC ACID AND
BIOTIN BY CHLORELLA VULGARIS AND CHLORELLA
PYRENOIDOSA A65-81339

CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE
TO IONIZING RADIATION AND HYPOTHERMIA IN RATS
A65-82028

VITAMIN REQUIREMENTS IN DIET OF AVIATORS AND
ASTRONAUTS N65-13763

VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN
HIGH ALTITUDE ENVIRONMENT N65-17826

MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON
MANNED SPACE FLIGHTS N65-18580

PROTECTIVE ROLE OF FOOD AND VITAMINS IN RADIATION
INJURIES TO ORGANISM N65-24942

VITAMIN B 06

S PYRIDOXINE

VITAMIN C

S ASCORBIC ACID

VITAMIN E

S TOCOPHEROL

VITAMIN H

S BIOTIN

VOCAL CORD

AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING
EAR AS CAUSE OF INSTABILITY A65-10738

RECORDING AND ANALYSIS OF VOCAL TRACT FREQUENCY
RESPONSE BY SWEEP TONE METHOD
STL-QPSR-1/1965 N65-27020

SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS
CORRELATED WITH SPEECH WAVE DATA AND
PHYSIOLOGICAL STRUCTURES
AFCL-65-272 N65-30196

VOICE COMMUNICATION

SPEAKER IDENTIFICATION BY EXPRESSING VOICE SIGNAL
AT ANALYZER OUTPUT IN TERMS OF FREQUENCY, TIME AND
AMPLITUDE A65-15666

DEEP SPACE VOICE COMMUNICATION SYSTEM USING EAR-
BRAIN ANALOG A65-17486

RECORDING AND ANALYSIS OF VOCAL TRACT FREQUENCY
RESPONSE BY SWEEP TONE METHOD
STL-QPSR-1/1965 N65-27020

SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADC-TR-65-184 N65-34570

VOLTAGE GENERATOR

BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE -
STUDY OF ELECTRODE MATERIALS AND LOCUS IN
VARIOUS LABORATORY ANIMALS
NASA-CR-60955 N65-17947

VOLTMETER

TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER
CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND
COMPACT SILICON STABILITRON CONVERTERS
JPRS-30557 N65-25541

VOLUNTARY APNEA

UNDERWATER SWIMMING AND EFFECT ON RESPIRATION
DURING BREATHHOLDING A65-80745

HEART RATE RESPONSE TO HELD LUNG VOLUME IN
INSPIRATORY AND EXPIRATORY POSITIONS
A65-81145

CHANGES IN PULMONARY DIFFUSION CAPACITY AND
PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE
PRESSURE BREATHING IN MAN A65-82099

INTRAPULMONARY PRESSURE OF BREATHHOLDING SUBJECTS
LYING AND SITTING IN AIR AND WATER
A65-82158

VOSKHOD I SPACECRAFT

ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD
VOSKHOD I NOTING APPARATUS RECORDING
ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAM,
DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF
ASTRONAUTS A65-34946

MEDICAL SUPERVISION OF CREW MEMBERS AND BIOLOGICAL
ENVIRONMENT DURING SOVIET THREE-MAN SPACE FLIGHT
IN VOSKHOD I SPACECRAFT A65-80983

VOSKHOD ORBITAL FLIGHT- GENERAL REVIEW
A65-81028

FIRST COSMIC EXPEDITION- BIOMEDICAL RESEARCH ON
ASTRONAUT RESPONSE A65-81486

STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I
SPACECRAFT A65-81962

PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS
AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD
II FLIGHTS N65-26230

REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777

VOSKHOD II SPACECRAFT

FIRST WALK IN SPACE FROM VOSKHOD II DESCRIBED BY
LEONOV, NOTING IMPORTANCE OF SIMULATED TRAINING
A65-35253

BELIAEV DESCRIPTION OF 17-ORBIT FLIGHT OF VOSKHOD
II INCLUDING SPACECRAFT DESIGN AND CONTROL, LIFE
SUPPORT SYSTEM AND WALK-IN-SPACE
A65-35254

EXTRAVEHICULAR ACTIVITY AND SPACE SUIT DESIGN OF
SOVIET SPACE FLIGHT IN VOSKHOD II
A65-81704

PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS
AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD
II FLIGHTS N65-26230

EXTRAVEHICULAR OPERATION OF VOSKHOD II MANNED
SPACECRAFT - COSMONAUT REPORT DURING PRESS
CONFERENCE N65-28287

PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT
SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF
MANNED SPACE FLIGHT PROGRAM N65-32679

MEDICAL INVESTIGATIONS ON VOSKHOD AND
VOSKHOD II SPACECRAFT
NASA-TT-F-9539 N65-33801

VOSKHOD MANNED SPACECRAFT

WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM
VOSKHOD FLIGHTS A65-25551

PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD
EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD
VOSKHOD I AND II A65-28943

MEDICAL EXAMINATION OF VOSKHOD SPACESHIP
COSMONAUTS, USING BIOTELEMETRIC SYSTEMS AND
ONBOARD INSTRUMENTS A65-29941

ASTRONAUT PERFORMANCE ABOARD VOSKHOD I AND II
SPACECRAFT WITH RESPECT TO CHANGES IN CONTROL
ACTIVITY, VISUAL RESOLUTION AND QUALITATIVE
ANALYSIS OF OPERATIONAL MEMORY A65-35251

SPACE FLIGHTS OF RUSSIAN ASTRONAUTS BELIAEV AND
LEONOV AND AMERICAN ASTRONAUTS GRISSOM AND YOUNG
A65-81445

SECOND INTERNATIONAL SYMPOSIUM ON BASIC
ENVIRONMENTAL PROBLEMS OF MAN IN SPACE
A65-81549

BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS
RESULTING FROM VOSKHOD MANNED SPACE FLIGHT
JPRS-29800 N65-22116

OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOD MANNED SPACECRAFT
JPRS-29911 N65-23053

LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD
MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710

MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED
SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785

VOSTOK III SPACECRAFT

STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620

EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627

MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS
N65-13671

INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488

SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489

SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490

VOSTOK IV SPACECRAFT

STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620

EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627

MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS
N65-13671

INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488

SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489

SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490

SUBJECT INDEX

WAKEFULNESS

- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS N65-34944
- VOSTOK V SPACECRAFT
DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT A65-80719
- MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF
CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND
VOSTOK 6 A65-80921
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL
PROCESSES IN GERMINATION OF SEED IN SOME HIGHER
PLANTS ABOARD VOSTOK SPACECRAFT A65-81595
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS A65-81596
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT
FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN
SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6 A65-81624
- PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT N65-12734
- DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY
DIFFERENT FLIGHT LENGTHS ON VOSTOK V
NASA-TT-F-9627 N65-15163
- CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL
HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND
VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC
DATA N65-23424
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS N65-34944
- VOSTOK VI SPACECRAFT
MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF
CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND
VOSTOK 6 A65-80921
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL
PROCESSES IN GERMINATION OF SEED IN SOME HIGHER
PLANTS ABOARD VOSTOK SPACECRAFT A65-81595
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS A65-81596
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT
FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN
SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6 A65-81624
- CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL
HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND
VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC
DATA N65-23424
- VOSTOK SPACECRAFT
PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE
SUPPORT SYSTEMS OF VOSTOK AND VOSKHOD SPACE
SHIPS A65-29942
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS
CONCERNING COSMIC RADIATION EFFECTS ON GENETIC
CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT
FLIES A65-30689
- VOSTOK SATELLITE PHYSIOLOGICAL TELEMETRY DURING
INTERPLANETARY FLIGHT, CONSIDERING BIOLOGICAL
- CONTROL AND INFORMATION TRANSMISSION TO EARTH AND
MEDICAL INVESTIGATIONS BY CODING A65-32301
- VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON
VARIATION IN NUMBER OF CELLS WITH CHROMOSOME
ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS
A65-35817
- VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS A65-35818
- BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE
FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND
SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC
BACTERIA A65-35819
- TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAIEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT A65-81387
- RECORDING OF PHYSIOLOGICAL FUNCTIONS DURING
INTERPLANETARY FLIGHTS, MEDICAL SUPPORT AND
BIOTELEMETRY A65-82076
- MICROBIOLOGICAL AND CYTOLOGICAL DATA FROM VOSTOK
TYPE SPACECRAFT
NASA-TT-F-281 N65-12219
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
VOSTOK SPACECRAFT N65-13657
- MEDICAL, PHYSIOLOGICAL, AND BIOLOGICAL RESEARCH ON
VOSKHOD AND VOSTOK SPACECRAFT
JPRS-27925 N65-14598
- MEDICAL AND PHYSIOLOGICAL RESEARCH DURING MANNED
FLIGHTS ABOARD VOSKHOD AND VOSTOK SPACECRAFT
N65-14599
- BIOLOGICAL TESTS ON VOSKHOD AND VOSTOK
SPACECRAFT DURING SPACE FLIGHT N65-14600
- STUDIES IN MEDICINE AND PHYSIOLOGY DERIVED FROM
VOSTOK SPACECRAFT FLIGHTS
NASA-TT-F-9207 N65-14607
- LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD
MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710
- VTOL AIRCRAFT
MAN-MACHINE PROBLEMS IN VTOL AIRCRAFT -
TECHNOLOGICAL ASPECTS N65-28455

W

WAKEFULNESS

SA SLEEP DEPRIVATION

BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF
DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877

TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS A65-81380

PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN -
DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED
WAKEFULNESS A65-81715

CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS A65-82050

FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072

EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS A65-82276

SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF
CEREBRAL CORTEX OF CAT DURING SLEEP AND
WAKEFULNESS IN RESPONSE TO AMPHETAMINE,

WARNING SIGNAL

CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE
DERIVATIVE A65-82300

SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT
DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN
CAT A65-82352

WARNING SIGNAL

EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY
OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL
STIMULATION A65-80191

WARNING SYSTEM

SA EARLY WARNING SYSTEM

EQUATION ESTIMATING AURAL DETECTION DISTANCES
ASSOCIATED WITH GIVEN AERIAL VEHICLE NOISE LEVEL
AIAA PAPER 65-329 A65-32323

WASTE

SA HUMAN WASTE
SA METABOLIC WASTE

EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS
SAM-TDR-64-41 N65-10014

HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED
SPACE EXPLORATION N65-18567

FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569

HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED
SPACE FLIGHTS N65-18576

WASTE MANAGEMENT FOR CLOSED ENVIRONMENTS - PROCESS
CONTROL, COLLECTION, TRANSPORT, AND TREATMENT
N65-18577

INTEGRATION AND MECHANICS OF WASTE COLLECTION AND
PROCESSES FOR SPACECRAFT LIFE SUPPORT SYSTEM
N65-18589

LIQUID WASTES AND WATER POTABILITY IN SPACE
VEHICLES N65-18590

ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS
RELATED TO NUTRITION AND WASTE N65-18602

WASTE DISPOSAL

LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT,
DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE
MANAGEMENT A65-12545

ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE
AND FECES A65-21695

PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318

WASTE UTILIZATION

HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO
SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM
A65-11401

LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING
ATMOSPHERE AND THERMAL CONTROL, RADIATION
PROTECTION AND WATER AND WASTE RECOVERY A65-13099

WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL
CELLS DURING LONG TERM SPACE FLIGHT A65-14380

SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN
CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM
FERMENTED EXCRETA A65-14382

HUMAN WASTE PRODUCTS WATER RECLAMATION SYSTEMS
RENDERING SPACE CREW INDEPENDENT OF STORED WATER
REQUIREMENTS A65-15397
AICE PREPRINT 54A

RECOVERY OF USABLE OXYGEN FROM WASTE CARBON
DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION
FOLLOWED BY ELECTROLYSIS A65-15625

SUBJECT INDEX

WETTING AND NONWETTING SURFACES TO CONTROL WATER
AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G
ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE
COLLECTION, DISTILLATION AND MANAGEMENT OF WATER
AND OXYGEN SUPPLIES A65-28630

BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC
METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION
WATER RECOVERY UNIT A65-34474

RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING N65-19655
SERL-64-6

WATER

SA BODY FLUID
SA ICE
SA POTABLE WATER
SA SEA WATER

AQUEOUS AND NONAQUEOUS SOLUTIONS, TEMPERATURE
LIMITS, GAS HYDRATE FORMATION AND CONNECTION WITH
ORIGIN OF LIFE A65-29013

CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY A65-80143

STATE OF WATER IN TISSUES OF HIBERNATORS
A65-81466

TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS
AND C. SPILOSOMA/ FOR WATER DEPRIVATION DURING
HIBERNATION A65-81470

MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR
AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY
FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION
A65-81520

SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT A65-81542

SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO
LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS A65-81609

RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN
DOG DURING CHANGE FROM SUPINE TO ERECT POSITION
AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING
WEIGHTLESSNESS SIMULATION A65-82115

WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326

WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM -
SPACE EXPLORATION N65-18568

FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569

HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED
SPACE FLIGHTS N65-18581

WATER GENERATION IN SPACE ENVIRONMENT - LUNAR
EXPLORATION N65-18582

LIQUID WASTES AND WATER POTABILITY IN SPACE
VEHICLES N65-18590

WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES N65-26388

WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE
CLOTHING
RAE-TN-MECH-ENG-400 N65-29605

WATER BALANCE

SPACE CABIN ATMOSPHERE REGENERATION AND CONTROL
PROBLEMS COVERING CARBON DIOXIDE, WATER, OXYGEN
CONCENTRATIONS AND TRACE CONTAMINATION

SUBJECT INDEX

WATER RECOVERY

- ASME PAPER 65-AV-47 A65-23454
- PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636
- PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL ACTIVITY IN HOT ENVIRONMENT AND RELATION TO APPETITE AND BODY TEMPERATURE A65-80900
- WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN RELATION TO FEEDING A65-80976
- SOME ASPECTS OF WATER BALANCE IN HIBERNATING BAT, MYOTIS LUCIFUGUS. A65-81464
- TETRAETHYL LEAD TOXIC EFFECTS ON WATER BALANCE A65-81745
- CHANGES IN EXTRACELLULAR FLUID SPACE IN WATER BALANCE DISTURBANCES OF ORGANISM AND ORGANS DURING RADIATION SICKNESS A65-17916
- FTD-TT-64-912/12&3&4
- WATER CONTENT**
- OBSERVATIONS OF WATER VAPOR ON MARS AND VENUS FROM BALLOONS AND MOUNTAINS A65-80891
- URINE EXCRETION IN ANIMALS - DEPENDENCE OF DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION IN DRINKING WATER A65-23793
- NASA-TT-F-9337
- WATER DEPRIVATION**
- S DEHYDRATION
- WATER FLOW**
- EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS A65-35780
- NASA-TT-F-9391
- WATER INTAKE**
- ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION A65-80662
- OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES OF MAN TO WORK IN HOT ENVIRONMENTS A65-80675
- DEHYDRATION EFFECTS ON ECCRINE SWEATING OF SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER A65-80899
- INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE METABOLISM IN HOT DRY REGION AS AFFECTED BY PHYSICAL ACTIVITY A65-80952
- HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING WATER OF LOW SALT CONTENT A65-80955
- NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN UNDER COMBINED RESTRICTION OF FOOD AND WATER DURING EXERCISE IN AIR CONDITIONED ROOM A65-80969
- HEART RATE OF RAT AS AFFECTED BY WATER INTAKE, PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE A65-80999
- INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM BICARBONATE IN RAT AS AFFECTED BY WATER DEPRIVATION AND THERMAL STRESS A65-81000
- HYPOTHALAMO-HYPOPHYSEAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION A65-81288
- GAMMA RADIATION EFFECT ON OPERANT WATER-REINFORCEMENT BEHAVIOR IN RAT A65-81547
- VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT, COLD, EXERCISE, AND WATER DEPLETION A65-81634
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
- INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER A65-81910
- PHYSIOLOGY OF THIRST AND DRINKING - DEHYDRATION LAG IN MAN AND RAT A65-29471
- NASA-TM-X-51938
- WATER LANDING**
- RESCUE TECHNIQUES USING STANDARD STOKES LITTER DESCRIBED FOR HANDLING INJURED PERSONS IN WATER A65-29754
- FREE FALLS SURVIVED BY HUMANS IMPACTING WATER ENVIRONMENTS UNDER HIGH VELOCITY A65-29760
- MEDICAL RESEARCH - SURVIVAL OF HIGH VELOCITY FREE-FALLS IN WATER BY INDIVIDUALS A65-30597
- AM-65-12
- WATER PRESSURE**
- UNDERWATER PRESSURE-COMPENSATED, BREATHING CONTROL VALVES FOR PROLONGED WATER IMMERSION A65-19153
- AMRL-TR-64-130
- WATER PURIFICATION**
- TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE AND SANITATION STUDIES, WATER PURIFICATION, INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND AIR SAMPLING A65-28294
- JPRS-30993
- PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS A65-28296
- WATER RECOVERY**
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMSELECTIVE SILICONE RUBBER MEMBRANE A65-10696
- LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP TO ONE YEAR A65-11642
- LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT, DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE MANAGEMENT A65-12545
- WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL CELLS DURING LONG TERM SPACE FLIGHT A65-14380
- HUMAN WASTE PRODUCTS WATER RECLAMATION SYSTEMS RENDERING SPACE CREW INDEPENDENT OF STORED WATER REQUIREMENTS A65-15397
- AICE PREPRINT 54A
- WATER RECLAMATION FROM CABIN-AIR DEHUMIDIFICATION CONDENSATE AND WASH WATER BY MULTIFILTER SYSTEMS A65-16560
- CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT CHEMICALS SELECTION AND BACTERIA CONTROL IN PRODUCT A65-22959
- ASME PAPER 65-AV-24
- MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE WATER FROM URINE, WASH WATER AND HUMIDITY CONDENSATES BY ELECTRODIALYSIS A65-23224
- ASME PAPER 65-AV-16
- SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND REMOVAL OF HUMAN WASTES A65-23920
- THERMAL VAPORIZATION FOR WATER RECOVERY FROM URINE A65-24457
- TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON DIOXIDE AND TRACE CONTAMINANT REMOVAL A65-29441
- AIAA PAPER 65-501
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE AND WASH WATER, USING PERMSELECTIVE SILICONE RUBBER MEMBRANE A65-33554

WATER VAPOR

SUBJECT INDEX

- LUNAR WATER EXTRACTION PROCESSES AND TYPES OF DEPOSITIONS A65-34271
- BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION WATER RECOVERY UNIT A65-34474
- RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE PERMEATION AMRL-TDR-64-73 N65-12040
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES FROM HEAT EXCHANGES OF PRESSURIZED SUITS SAM-TDR-64-66 N65-16299
- THERMOELECTRIC SYSTEM FOR WATER RECLAMATION FROM URINE AMRL-TR-65-29 N65-29615
- WATER VAPOR
 - SA HUMIDITY
 - WATER VAPOR CONTENT FOR HUMAN COMFORT AND THERMAL BALANCE IN SEALED CABINS AND PRESSURE SUITS A65-28379
 - ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS TRANSFER IN SPACE SUIT NASA-CR-63144 N65-25269
- WAVE
 - SA ELECTROMAGNETIC WAVE
 - SA PLASMA WAVE
 - SA PRESSURE WAVE
 - SA RADIO WAVE
 - SA SINE WAVE
 - SA SOUND WAVE
 - SA SURFACE WAVE
 - SA ULTRASONIC WAVE
 - CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS AND RELATION BETWEEN IRRADIATION DOSAGE AND FILTRATION OF PRIMARY BEAM JPRS-30672 N65-26803
- WAVE PROPAGATION
 - PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL STRUCTURES OF HOMOGENEOUS EXCITED TISSUE N65-27244
 - ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS OF AORTA NASA-TT-F-9569 N65-33809
- WAVELENGTH
 - FLASH BLINDNESS AS FUNCTION OF WAVELENGTH SPECIFICITY A65-81095
- WEAPON SYSTEM
 - PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM VARIOUS WEAPON SYSTEMS A65-81682
 - PERSONNEL SUBSYSTEM REQUIREMENTS FOR WEAPON SYSTEM AMRL-TDR-64-65 N65-11772
- WEATHER
 - SA COLD WEATHER
 - SYMPTOMS, DISEASE, AND DEATH AS AFFECTED BY WEATHER A65-80496
 - EFFECTS OF GROUP, ENVIRONMENT, AND WEATHER VARIABLES ON HUMAN BEHAVIOR AD-607810 N65-14420
- WEATHER CONDITION
 - SOLUTIONS FOR PROTECTION OF SOLDIERS EXPOSED TO EXTREME COLD WEATHER CONDITIONS IN ARCTIC AD-613189 N65-25924
- WEBER-FECHNER LAW
 - WEBER-FECHNER LAW AND DIFFERENTIAL SENSITIVITY IN PERCEPTION OF TEMPORAL INTERVALS A65-81360
- WEIGHT
 - SA BODY WEIGHT
 - SA LIGHTWEIGHT
- SA ORGAN WEIGHT
- GRADED CONTRAST EFFECTS IN JUDGMENT OF LIFTED WEIGHTS A65-81986
- FORMULA DIETS - WEIGHT CONTROL, PEPTIC ULCER, INFANT, AND DIETS FOR METABOLIC STUDIES N65-18599
- IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT - LIFE SUPPORT SYSTEMS N65-34620
- WEIGHTLESSNESS
 - SA FREE FALL
 - GEMINI MEDICAL EXPERIMENTS FOR DETERMINING WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED SPACEFLIGHT A65-10639
 - PHYSIOLOGICAL REACTIONS TO PROLONGED WEIGHTLESSNESS, EXAMINING PROJECT MERCURY OBSERVATIONS A65-12544
 - MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS AMPLIFICATION A65-13397
 - FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT ENVIRONMENTS A65-14526
 - WEIGHTLESSNESS EFFECTS ON CIRCULATORY FUNCTIONS FOR VARIOUS ACTIVITY LEVELS DETERMINED FROM SPACE SIMULATOR, BED REST AND MANNED FLIGHT STUDIES A65-14528
 - INTERNATIONAL RESEARCH ON ANIMAL ROLE AS PRECURSOR FOR MAN IN SPACE A65-14809
 - PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG PARABOLIC CURVE A65-16618
 - TRANSIENT WEIGHTLESSNESS EFFECTS ON VISUAL ACUITY AND BINOCULAR DEPTH PERCEPTION IN HUMANS A65-22908
 - WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM VOSKHOD FLIGHTS A65-25551
 - ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS A65-26338
 - FLUID METABOLISM AND CIRCULATION DURING AND AFTER WEIGHTLESSNESS A65-26744
 - VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION METHOD, EXAMINING EFFECT ON BLOOD PRESSURE A65-26747
 - PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD VOSKHOD I AND II A65-28943
 - PROLONGED WEIGHTLESSNESS AND ITS EFFECT ON ASTRONAUTS A65-29101
 - ORIENTATION AND ROTATION OF HUMAN BODY UNDER WEIGHTLESS CONDITIONS IN FREE SPACE A65-29680
 - RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY A65-30137
 - CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
 - WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON REPRODUCTION IN DROSOPHILA MELANOGASTER AND HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA A65-30691
 - N ASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL, EVOLUTIONARY AND GENETIC EFFECTS OF

SUBJECT INDEX

WEIGHTLESSNESS

WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH
ROTATION A65-30692

BIOLOGICAL EFFECT OF WEIGHTLESSNESS AND
ACCELERATION EXPERIENCED IN SPACE FLIGHT A65-30693

MANS ADAPTATION TO WEIGHTLESSNESS, NOTING
ASTRONAUT VULNERABILITY AND REQUIREMENT OF MEDICAL
CARE IN SPACE A65-35107

WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND
SECONDARY PHYSIOLOGICAL RESPONSE IN MAN A65-80088

SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS A65-80089

EFFECTS OF WEIGHTLESSNESS AND ACCELERATION ON
VARIOUS PHYSIOLOGICAL FUNCTIONS AND USE OF
ARTIFICIAL GRAVITY DURING PROLONGED FLIGHTS A65-80299

OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM
EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY
CHANGING POSITIONS OF ASTRONAUTS AND USING
INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS A65-80412

PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING A65-80436

PROPOSED BIOSATELLITE UTILIZING OPOSSUM FETUSES
FOR STUDYING WEIGHTLESSNESS EFFECTS A65-80464

DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT A65-80719

BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN
WEIGHTLESSNESS DURING MANNED SPACE FLIGHT A65-80920

EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF
CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND
VOSTOK 6 A65-80921

TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS A65-80923

PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL
EFFECT OF ACCELERATION AND WEIGHTLESSNESS A65-80931

BRIGHTNESS DISCRIMINATION THRESHOLD AS AFFECTED BY
WEIGHTLESSNESS ON TWO LEVELS OF ACCELERATION A65-80948

PHYSIOLOGICAL EFFECT OF WEIGHTLESSNESS ON HUMAN
ORGANISM A65-80980

VOSKHOD ORBITAL FLIGHT- GENERAL REVIEW A65-81028

HUMAN RESPONSE TO ACCELERATION STRESS AND
WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT A65-81192

EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS A65-81197

SOME BEHAVIORAL FACTORS AFFECTING ASTRONAUTS A65-81253

CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT A65-81554

GRAVITY EFFECT ON MAN - HISTORICAL REVIEW A65-81588

VESTIBULAR CALORIC TEST CARRIED OUT WITH FOUR
SUBJECTS ON HUMAN CENTRIFUGE A65-81805

CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848

WEIGHTLESSNESS SUGGESTED AS THERAPY FOR CARDIAC
INSUFFICIENCY A65-81849

NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN
SERUM, PAROTID FLUID, AND URINE DURING
WEIGHTLESSNESS A65-82359

EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641

REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT JPRS-27591 N65-10989

EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627

STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS N65-13655

HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN
MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS N65-13685

ASTRONAUT PERFORMANCE UNDER STRAPPED AND
UNFASTENED CONDITIONS DURING BRIEF PERIODS OF
WEIGHTLESSNESS N65-13695

ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY
OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS
AND ACCELERATION STRESS N65-13699

SENSORY DEPRIVATIONS IN HUMAN BEINGS EXPOSED
TO WEIGHTLESSNESS N65-13700

BODY POSITION OF ANIMALS IN WEIGHTLESSNESS N65-13701

ROLE OF GRAVITY IN LIFE OF ORGANISMS AND EVOLUTION
OF ANIMALS - PROBABLE EFFECTS OF PROLONGED
WEIGHTLESSNESS N65-13713

PHYSIOLOGICAL REACTIONS IN WEIGHTLESSNESS N65-13777

SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT N65-13780

INFLUENCE OF PROLONGED WEIGHTLESSNESS ON
AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED
AMPLIFICATION OF TONUS OF VAGUS NERVE N65-15445

SEMICIRCULAR CANAL AND OTOLITH ORGAN DISTURBANCES
BY HIGH G LOAD, WEIGHTLESSNESS, AND ARTIFICIAL
GRAVITY IN SPACE TRAVEL NASA-CR-60419 N65-16027

REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT N65-16404

EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL
VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN
CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND
SUBGRAVITY STATES NASA-CR-51786 N65-16431

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE
RADIATION ON HIBERNATORS NASA-CR-50546 N65-17058

SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM
WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER
SENSITIVITY FTD-TT-64-1052/16264 N65-17194

HUMAN LOCOMOTION UNDER CONDITIONS OF
WEIGHTLESSNESS N65-18378

BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS,
WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN
MEDICOBIOLOGY JPRS-29069 N65-18784

- WEIGHTLESSNESS THEORY FOR LUNAR AND INTERPLANETARY FLIGHTS N65-18786
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR REACTION TO CORIOLIS ACCELERATION, AND EFFECT OF WEIGHTLESSNESS ON HUMAN BODY JPRS-29156 N65-19645
- PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT ON HUMAN ORGANISMS JPRS-29433 N65-20829
- WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY JPRS-29743 N65-21711
- BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS RESULTING FROM VOSKHOD MANNED SPACE FLIGHT JPRS-29800 N65-22116
- AUTOSUGGESTION EXPERIMENTS, AND EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT JPRS-30083 N65-24736
- EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT N65-24737
- HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS N65-24862
- PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT AND TO INCREASE STABILITY UNDER WEIGHTLESSNESS JPRS-30111 N65-25600
- INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS THROUGH PHYSICAL TRAINING N65-25602
- AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE CABIN SIMULATOR, AND DYNAMIC RESPONSE AD-612636 N65-25895
- EFFECTS OF WEIGHTLESSNESS AND OTHER STRESSES IN SPACE FLIGHT ON PATHOGENICITY AND IMMUNITY NASA-CR-63282 N65-26065
- PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD II FLIGHTS N65-26230
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN PARABOLIC FLIGHT N65-26918
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS JPRS-30849 N65-27032
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS JPRS-30893 N65-27809
- HEMODYNAMIC EVALUATION OF PRIMATES BEFORE, DURING, AND AFTER LONG PERIODS OF WEIGHTLESSNESS IN EARTH-ORBITING SATELLITE N65-28758
- ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF HEMODYNAMIC AND METABOLIC PARAMETERS DURING PROLONGED WEIGHTLESSNESS NASA-CR-63915 N65-29147
- HUMAN RESPONSES TO WEIGHTLESSNESS - ANALYSIS OF ASTRONAUT BIOMEDICAL DATA FROM MERCURY PROJECT FLIGHTS NASA-TM-X-51935 N65-29487
- PHYSIOLOGICAL EFFECTS OF GRAVITATION AND WEIGHTLESSNESS ON RUSSIAN COSMONAUTS - DISCUSSION NASA-TT-F-376 N65-29623
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED WEIGHTLESSNESS JPRS-31665 N65-31715
- FOREARM VASCULAR RESISTANCE MEASURE OF NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING PROLONGED WEIGHTLESSNESS
- NADC-ML-6511 N65-34467
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS IN ORBITAL FLIGHT NASA-TT-F-9593 N65-36752
- WEIGHTLESSNESS SIMULATION
- ZERO-G SIMULATION BY PARABOLIC AIRCRAFT FLIGHT FOR ASTRONAUT TRAINING A65-14837
- PROLONGED BED REST USED TO SIMULATE PHYSIOLOGICAL EFFECTS OF PROLONGED SPACE FLIGHT FOR DETERMINING DECONDITIONING REQUIREMENTS AIAA PAPER 65-281 A65-22169
- TRACTIONLESS EXPERIMENTAL METHOD PROVIDING WEIGHTLESSNESS SIMULATION ALTHOUGH LIMITED TO ROTATION ABOUT SINGLE AXIS A65-30014
- CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH, PREDICTING EFFECTS ON MAN FROM VARIOUS TYPES OF SIMULATION A65-30059
- WATER IMMERSION EFFECT ON HUMAN BODY IN WEIGHTLESSNESS SIMULATION, NOTING THORACIC PRESSURE GRADIENT A65-30349
- WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE OF RESTRAINT A65-80158
- CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH HQARSC-TDR-64-1 N65-13216
- TORQUE FREE ROTATIONAL DYNAMICS OF VARIABLE CONFIGURATION BODY - APPLICATION TO WEIGHTLESS MAN GA/ME/64-19 N65-27420
- PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES - MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON EARTH N65-33629
- WHALE
- BIBLIOGRAPHY OF CETACEA LITERATURE NAVWEPS-8645 N65-22386
- WHITE BLOOD CELL
- S LEUKOCYTE
- WIDEBAND COMMUNICATION
- WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING AUDITORY PERCEPTION IN HUMANS ARL-TR-65-5 N65-26237
- WIND
- SA SOLAR WIND
- PHYSIOLOGICAL EFFECTS OF WIND ON MAN A65-80495
- WIND PRESSURE
- HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT TO SPACE FLIGHT A65-14808
- WIND VELOCITY
- TECHNIQUE USING MONKEY FOR MEASURING ACCEPTABILITY OF AIR MOVEMENT AT HIGH TEMPERATURE A65-81476
- WORK
- SA PHYSICAL WORK
- SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN ACCLIMATIZATION TO WORK IN HEAT A65-80304
- HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID ENVIRONMENT A65-80305
- FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL FACILITIES AND STRESS-RELATED SYMPTOMS A65-80895
- IMPROVEMENT OF PERSONNEL WORK PERFORMANCE CHARACTERISTICS IN MILITARY MONITOR SYSTEMS

X

- AD-609112 N65-18001
- WORK CAPACITY**
- LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS AND VARIABLE EXPENDABLES, CONSIDERING WORKER OUTPUT CHARACTERISTICS A65-14230
- HORSEPOWER OUTPUT OF HUMAN BEINGS AS FUNCTION OF HEARTBEATS IN MECHANICAL CRANKING A65-25245
- DISTURBANCE IN DAILY ROUTINE AND EFFECT ON PROFESSIONAL WORKING CAPACITY OF MAN A65-80047
- ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK CAPACITY AND ANTHROPOMETRIC MEASUREMENTS OF MIDDLE-AGED MEN A65-80203
- NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR MEN AT WORK IN HOT CONDITIONS A65-80274
- AEROBIC WORK CAPACITY DURING EXERCISE A65-80358
- PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN A65-80696
- PHYSICAL WORK CAPACITY OF MAN AND ITS DIMINUTION BY HEAT STRESS A65-80906
- COMPARATIVE SPIRO-ERGOMETRIC INVESTIGATIONS ON ATHLETES A65-81865
- WORK CAPACITY OF SYNERGIC MUSCULAR GROUP A65-82005
- A SIMPLE WORK CAPACITY TEST - CT170, A CARDIAC FUNCTION TEST A65-82356
- BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE NASA-TT-F-9338 N65-23678
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS JPRS-30849 N65-27032
- HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH SPEED FLIGHT - PILOT TASK LOADING, FUNCTION ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION AD-460918 N65-27205
- EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE OF HUMANS N65-28297
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED WEIGHTLESSNESS JPRS-31665 N65-31715
- WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS NASA-TT-F-9536 N65-32876
- X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE CAPACITY, AND LONGEVITY OF BEAGLE DOGS UCD-472-111 N65-34324
- WORK FUNCTION**
- EFFECT OF NOISE LEVEL ON WORK EFFICIENCY A65-81703
- WORK-REST CYCLE**
- POSSIBILITIES OF HUMAN ADAPTATION TO DAY AND NIGHT WORK SHIFT A65-81335
- EFFECT OF ABRUPT DISTURBANCE OF DAILY RHYTHM OF WORK-REST CYCLE ON WORK CAPACITY A65-81340
- EFFECT OF ENVIRONMENT ON HEART RATE AND OXYGEN CONSUMPTION DURING WORK-REST CYCLE A65-81363
- WOUND HEALING**
- MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE REGENERATION IN MOUSE A65-80421
- X-RAY**
- X-RAY DIAGNOSIS - REVIEW OF PROGRESS SINCE 1941 AND APPLICATION TO AVIATION MEDICINE A65-80404
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND X-RAYS ON MAMMALIAN BONE MARROW CELLS N65-15446
- X-RAY DIAGNOSIS, RADIOTHERAPY, AND NUCLEAR MEDICINE - RADIOLOGICAL PHYSICS N65-18086
- ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL STUDIES ON MICE, AND RELATIONSHIP BETWEEN ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS - X-RAY EXPOSURE N65-23374
- X-RAY EFFECT ON INTRACELLULAR BACTERIOPHAGE PRODUCTIVITY N65-23454
- PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS N65-23458
- X-RAY AND AMINO ACID ANALOG EFFECT ON DNA SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS N65-23459
- WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE IRRADIATED FOR DETERMINING RADIOSENSITIVITY OF CELLS TO VARYING X-RAY DOSES N65-26388
- CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS AND RELATION BETWEEN IRRADIATION DOSAGE AND FILTRATION OF PRIMARY BEAM JPRS-30672 N65-26803
- ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS, QUALITATIVE AND QUANTITATIVE CHARACTERISTICS, DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE N65-26804
- EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM THICKNESS ON 1000 KPV X-RAY DEPTH DOSE UR-667 N65-29886
- RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND X-RAY DIAGNOSIS IN U.S.S.R. JPRS-31300 N65-30215
- X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX CANCER IN U.S.S.R. N65-30219
- X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R. N65-30221
- EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS SAM-TR-65-9 N65-30887
- RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60 GAMMA RADIATION AND X-RAYS ON CARTILAGE OF YOUNG RABBIT LARYNX ANL-TRANS-121 N65-32833
- X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE CAPACITY, AND LONGEVITY OF BEAGLE DOGS UCD-472-111 N65-34324
- X-RAY ABSORPTION**
- X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS - TABULATION OF ATTENUATION AND ABSORPTION COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND GASES VS MUSCLE AND BONE WL-TR-64-134 N65-29998
- X-RAY FLUORESCENCE**
- X-RAY FLUORESCENCE, X-RAY SCREENS, AND MATERIALS FOR X-RAY PHOTOGRAPHY N65-30216
- X-RAY IRRADIATION**
- L F VERTICAL VIBRATION AND X-RAY EFFECTS ON FREQUENCY OF DERANGED MITOSIS IN MEDULLA OSSIIUM OF

- MICE A65-13398
- X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF BLOOD A65-24296
- FREE RADICALS INDUCED BY X-RAY IRRADIATION IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF ELECTRONIPARAMAGNETIC RESONANCE SPECTRUM OF DEGRADED DNA A65-27950
- RADIATION PROTECTION BY SEVERAL DRUGS IN MOUSE A65-80095
- RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES A65-80164
- ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT A65-80166
- EFFECT OF S, 2,-AMINO-ETHYLISOTHIAURONIUM ON IMMUNE MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA CELLS A65-80170
- REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE THROUGH MAGNETIC FIELD PRETREATMENT A65-80419
- COMBINED ACTION OF X-RAY RADIATION AND VIBRATION ON BONE MARROW CELL MITOSIS OF MOUSE A65-80535
- PROPHYLACTIC AND THERAPEUTIC USES OF ULTRAVIOLET RADIATION IN X-RAY RADIATION DAMAGE IN ALBINO RATS A65-80593
- X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL CYCLE A65-80617
- RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO X-RAY IRRADIATION A65-80622
- EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION A65-80717
- 2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION A65-80824
- EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON MITOSIS OF BONE MARROW CELLS IN MICE A65-80922
- RADIOPROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE IN X-IRRADIATION MICE A65-81029
- ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT AND X-RAY IRRADIATION A65-81232
- PROTECTION OF LYMPHOCYTES IN THYMUS OF X-IRRADIATED RATS BY CYSTEAMINE A65-81235
- EFFECT OF PROTECTORS ON BONE MARROW REGENERATION AFTER IRRADIATION BY SUBLETHAL DOSES OF X-RADIATION A65-81551
- REGENERATION OF BONE MARROW AFTER IRRADIATION BY 600 MEV PROTONS AND X-RAY IN ALBINO MICE A65-81627
- PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF NEMBUTAL, HEXONIUM AND ALYMINAMINE ON DISTURBANCES OF RESPIRATION AND HEART RATE CAUSED BY X-RAY IRRADIATION OF CEREBELLUM IN DOGS A65-81673
- FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS RELATION TO RADIATION SICKNESS AND MORTALITY OF MULTIPLE IRRADIATED MICE A65-81748
- PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF RATS EXPOSED TO X-RAY AND GAMMA RADIATION A65-81767
- BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL INDICES, AND SURVIVAL OF DOG DURING X-RAY IRRADIATION OF LOWER BODY A65-82365
- RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER WHOLE BODY X-RAY IRRADIATION IN DOG LF-17 N65-10880
- ABSCOPAL EFFECTS OF X-RAY IRRADIATION ON COMPENSATORY HYPERTROPHY OF RAT KIDNEY USNRDL-TR-783 N65-11665
- LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE USNRDL-TR-784 N65-11666
- X-RAY AND RADIO FREQUENCY RADIATION HEALTH HAZARDS SURROUNDING RADAR TRACKING SYSTEM NASA-TM-X-55110 N65-12608
- IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION NASA-CR-52231 N65-17068
- TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS IN X-RAY PROTECTION STUDY UCLA-12-547 N65-21538
- PROTECTION AGAINST X- AND GAMMA RADIATION IN MICE PRETREATED WITH 2-AMINOETHYLISOTHIAURONIUM BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE CREATININE SULFATE AND IN NONTREATED MICE UCLA-12-552 N65-21824
- RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF DIGESTIVE SYSTEM TO X-RAY IRRADIATION N65-24877
- EFFECT OF LETHAL DOSAGES OF X-RAYS ON ATP CONTENT IN LIVER AND PHOSPHOPROTEIN EXCHANGE IN GUINEA PIGS FTD-TT-64-1163/1 N65-29119
- PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF X-RAY IRRADIATED DOGS TO INDUCED MUSCULAR CONTRACTIONS OF HIND LEGS IN VIVO TID-20979, ADDEND. N65-30567
- COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS ON NUCLEI OF BONE MARROW CELLS IN MAMMALS N65-31388
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED SUSPENSION CULTURES OF RAT BONE MARROW CELLS EUR-2415.E N65-32144
- EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH NASA-CR-303 N65-32674
- EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL ENDURANCE OF IRRADIATED MICE AND RATS AFTER ADRENAL GLAND REMOVAL, AND ON MUSCULAR TUNUS OF GUINEA PIG INTESTINE JPKS-31933 N65-35890
- PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION DRUGS, AND X-RAY IRRADIATION N65-35891
- X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO - COCKROACH, BLABERUS CRANIIFER TID-21877 N65-36506

X-15 AIRCRAFT

X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING BIOINSTRUMENTATION AND TELEMETRY, PRESSURE SUIT DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT

SUBJECT INDEX

ZOOLOGY

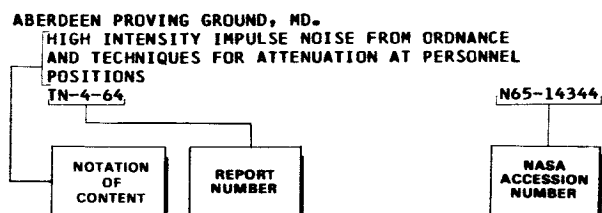
- PERFORMANCE A65-22688
- INSTANTANEOUS HEART ACCELERATION DURING X-15
AIRCRAFT FLIGHT A65-80082
- X-15 PROGRAM AND MERCURY PROJECT MANNED
SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT N65-28453
- X-20 AIRCRAFT
- DYNA SOAR AND SIMILAR PROGRAMS LIFE SCIENCE
REQUIREMENTS, DISCUSSING X-20 COCKPIT DESIGN,
PILOT PRESSURE SUITS, MEDICAL MONITORING, PILOT
SELECTION AND EVALUATION A65-14228
- EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING
AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT
IN DYNA-SOAR PROGRAM A65-80135
- COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL
AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A
FULL PRESSURE SUIT ASSEMBLIES
AMRL-TR-65-86 N65-31630
- XENON LIGHT
- OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS
OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT A65-80782
- Y
- YEAST
- FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING
HOW THESE PREPARATIONS ARE AFFECTED BY
INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE
METABOLISM OF GLUCOSE A65-33702
- CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL
YEAST THROUGH COBALT 60 IRRADIATION
SGAE-BL-12/1964 N65-22964
- IRRADIATION OF YEAST FOR TESTING MATHEMATICAL
MODEL FOR REMOVAL OF EFFECTIVE DOSE -
PHOTOREACTIVATION OF CELLS IRRADIATED BY
ULTRAVIOLET N65-26386
- REALIZATION PERIOD FOR POTENTIAL RADIATION DAMAGE
IN DIPLOID YEAST CELLS N65-26387
- TRANSFORMATION OF AMINO-ACYL-S- RNA INTO
DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE
CARBODIIMIDE
NASA-TT-F-9448 N65-27724
- CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND
ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL
EFFECTIVENESS IN YEAST
NASA-CR-67239 N65-35107
- YTTRIUM
- BETA RADIATION PENETRATION DETERMINATION OF
STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS
THICKNESSES
REPT.-155 N65-31074
- Z
- ZERO GRAVITY
- MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED
SUBJECTS WHILE LUNGING, EGRESSING AND LANDING
DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS
A65-24072
- CARBON DIOXIDE REDUCTION UNIT FOR CONTINUOUS HIGH
RATE OXYGEN REGENERATION IN ZERO GRAVITY
ENVIRONMENT A65-29060
- ZERO GRAVITY FOOD PELLET DISPENSER FOR PRIMATES
IN LONG-TERM SPACE FLIGHT
ARL-TR-64-15 N65-11415
- ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF
SPACE VEHICLE CABIN ATMOSPHERES
N65-18381
- ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL
GROWTH OF TOBACCO STEM SEGMENTS
- NASA-CR-59238 N65-32090
- PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES -
MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON
EARTH N65-33629
- GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF
ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD
CELLS N65-36114
- ZINC
- CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL
TID-20741 N65-34316
- ZINC SULFIDE
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172
- SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS N65-13664
- ZOOLOGY
- OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRID
AFOSR-65-0042 N65-27933

Corporate Source Index

AEROSPACE MEDICINE AND BIOLOGY / a continuing bibliography
1965 Cumulative Index

APRIL 1966

Typical Corporate Source Index Listing



The Notation of Content (NOC), rather than the title of the document, is used to provide a more exact description of the subject matter. The NASA, AIAA, or LC accession number is included in each entry to assist the user in locating the abstract in the abstract section of an individual issue of *Aerospace Medicine and Biology*. If applicable, a report number is also included as an aid in identifying the document.

A

- ABERDEEN PROVING GROUND, MD.
HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE
AND TECHNIQUES FOR ATTENUATION AT PERSONNEL
POSITIONS
TN-4-64 N65-14344
- EFFECTS OF REPEATED CONFINEMENT ON PERFORMANCE OF
MEN IN TEMPERATE ENVIRONMENT
TM-11-64 N65-14407
- ANIMAL STUDY OF HEARING SENSITIVITY AND PATTERNS
N65-22296
- ADVISORY GROUP FOR AERONAUTICAL RESEARCH AND
DEVELOPMENT, PARIS /FRANCE/.
PILOT COCKPIT DISPLAY DESIGN AND VIEWING SYSTEM
AGARD-491 N65-27730
- AEROSPACE CORP., EL SEGUNDO, CALIF.
X-15 PROGRAM AND MERCURY PROJECT MANNED
SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT
N65-28453
- AEROSPACE MEDICAL DIV. AEROMEDICAL RESEARCH
LAB. /6571ST/, HOLLoman AFB, N. MEX.
REACTION TIME OF PREADOLESCENT CHIMPANZEE
ARL-TR-64-10 N65-10466
- ZERO GRAVITY FOOD PELLET DISPENSER FOR PRIMATES
IN LONG-TERM SPACE FLIGHT
ARL-TR-64-15 N65-11415
- OPERANT CONDITIONING APPARATUS FOR ANIMAL BEHAVIOR
STUDY N65-16614
- BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE
LABORATORY
ARL-TR-64-17 N65-17750
- CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL
SERUMS FOLLOWING RESTRAINT
ARL-TR-64-12 N65-20895
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
HEMATOLOGIC ALTERATIONS
ARL-TR-64-13 N65-20896
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
URINE ALTERATIONS
ARL-TR-64-14 N65-20897

- MUSCULAR ANATOMY AND STRENGTH COMPARED IN
CHIMPANZEE AND HUMAN
ARL-TR-65-4 N65-26129
- WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING
AUDITORY PERCEPTION IN HUMANS
ARL-TR-65-5 N65-26237
- AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS
AND PRE-ADOLESCENT CHIMPANZES
NASA-CR-67297 N65-35104
- MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON
CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE N65-36771
- INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND
OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING
OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- AEROSPACE MEDICAL DIV. AEROSPACE MEDICAL
RESEARCH LABS. /6570TH/, WRIGHT-PATTERSON AFB,
OHIO.
- MONKEY PERFORMANCE FOLLOWING INJECTION OF
DECABORANE
AMRL-TDR-64-74 N65-10268
- INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING
UPON TRANSFER FUNCTION
AMRL-TDR-64-81 N65-10269
- ANTHROPOMETRIC STUDIES - GRASPING-REACH CAPABILITY
AS GUIDE TO EQUIPMENT DESIGN
AMRL-TDR-64-59 N65-11895
- MATHEMATICAL MODEL FOR PREDICTING INERTIAL
PROPERTIES OF HUMAN BODY
GA/PHYS/64-3 N65-12133
- MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN
RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT
MASS SPECTROMETER
AMRL-TR-64-84 N65-12974
- EMERGING ROLE OF ENGINEERING PSYCHOLOGY IN SYSTEMS
PLANNING AND DEVELOPMENT - HUMAN PERFORMANCE
AMRL-TR-64-88 N65-12996
- PERFORMANCE TIMES ON SIMPLE REMOTE HANDLING TASK
UNDER DIRECT BINOCULAR AND MONOCULAR VIEWING
CONDITIONS

AMRL-TDR-64-68	N65-13993	AMRL-TR-64-98	N65-23082
MEASUREMENT OF AORTIC, LEFT AND RIGHT VENTRICULAR, PULMONARY CAPILLARY AND ARTERIAL PRESSURES, HEART RATE, CARDIAC AND STROKE INDEX, AND OTHER HEMODYNAMIC DATA ON MACACA MONKEYS		PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY SUBJECT - HUMAN ENGINEERING	
AMRL-TDR-64-69	N65-13994	AMRL-TR-64-126	N65-24360
POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING RADAR TARGET DETECTION		MOBILE REMOTE HANDLING UNIT POSITIONED UNDER AUGMENTED TELEVISION CONDITIONS - HUMAN ENGINEERING FOR REMOTE HANDLING SYSTEMS	
AMRL-TR-64-82	N65-13995	AMRL-TR-65-6	N65-27091
TRAINING REQUIREMENTS, ENVIRONMENT, RESULTS, AND RESEARCH - OVERVIEW OF CURRENT STATUS OF TRAINING TECHNOLOGY - LEARNING		HUMAN TOLERANCE TO PROLONGED ACCELERATION	
AMRL-TR-64-86	N65-13997	AMRL-TR-65-36	N65-27334
PILOT PERFORMANCE TESTS TO ALIGN AIRCRAFT WITH TARGET		HUMAN FACTORS RELATED TO REMOTE HANDLING OF GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND EXTRAVEHICULAR SPACE OPERATIONS	
AMRL-TR-64-87	N65-13998	AMRL-TR-64-122	N65-27891
MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION TO RANDOM VIBRATION		ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING NEAR OR ON GROUND	
AMRL-TR-64-91	N65-13999		N65-28452
EFFECTS OF DEGREE OF LEARNING AND DEGREE OF SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF TRAINING		COMPARISON OF SELF-STUDY TECHNIQUE WITH CONVENTIONAL CLASSROOM MODELS AS MEANS OF REFRESHER TRAINING OF AIRCREWS UNDER OPERATIONAL CONDITIONS	
AMRL-TR-64-96	N65-14000	AMRL-TR-65-83	N65-30298
SPEED AND ACCURACY OF TARGET RECOGNITION BY NAVIGATORS USING SIDE-LOOKING RADAR DURING AERIAL RECONNAISSANCE		POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION OF HABITABLE GASES - MANNED SPACECRAFT APPLICATION	
AMRL-TR-64-101	N65-14001	AMRL-TR-65-26	N65-30853
ABSOLUTE JUDGMENTS OF LIGHT INTENSITY WITH EYE HELD IN CONSTANT STATE OF DARK ADAPTION		COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A FULL PRESSURE SUIT ASSEMBLIES	
AMRL-TR-64-103	N65-14002	AMRL-TR-65-86	N65-31630
EXTENT TO WHICH BLOCKS OF TEST TRIALS CONTRIBUTE TO LEARNING OF PAIRED ADJECTIVES - PSYCHOLOGY OF TRAINING		BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION AND SIMULATION, AND TRAINING AND LEARNING	
AMRL-TR-64-105	N65-14003	AD-464531	N65-35343
PYRIDOXINE TOXICITY IN ANIMALS AND CLINICAL USES OF PYRIDOXINE IN HIGH AND PROLONGED DOSES IN MAN WITH REGARD TO ITS POSSIBLE TOXIC EFFECTS		AEROSPACE MEDICAL DIV. ARCTIC AEROMEDICAL LAB., FORT WAINWRIGHT, ALASKA.	
AMRL-TR-64-106	N65-14004	EFFECT OF DIET ON HEXOSEMONOPHOSPHATE DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS	
HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR SPACE OPERATIONS	N65-16613	AAL-TDR-64-13	N65-18974
HUMAN LOCOMOTION UNDER CONDITIONS OF WEIGHTLESSNESS	N65-18378	MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA AND OTHER POLAR REGIONS	
NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT	N65-18572	AAL-TDR-64-28	N65-19970
NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED STRESS OF SPACE ENVIRONMENT	N65-18601	COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE PILOTS WEARING FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT	
FUNDAMENTAL TASKS AND CONCEPTS FOR TRAINING PERSONNEL IN ELECTRONIC COMMUNICATIONS	N65-18966	AAL-TDR-64-23	N65-24082
AMRL-TR-64-85		CGLD TEST EVALUATION OF COMPONENTS OF NASA PROGRAM MERCURY SURVIVAL KIT	
TRAINING FOR CROSS-CULTURAL CONTACT AND DEVELOPMENT OF INTERACTION SKILLS	N65-19017	AAL-TDR-64-24	N65-24083
AMRL-TR-64-109		PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON RATS EXPOSED TO WARM AND COLD CONDITIONS	
TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL DELAY AND LEARNING - HUMAN PERFORMANCE	N65-19149	AAL-TDR-64-15	N65-24593
AMRL-TR-64-104		EFFECT OF DIET ON RAT EXCRETION OF TRITIUM RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE	
CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE	N65-19152	AAL-TR-64-29	N65-25344
AMRL-TR-64-116		ARCTIC SURVIVAL SHELTER HAVING HIGH THERMAL PROTECTION - DESIGN AND MATERIAL TESTING RESULTS	
UNDERWATER PRESSURE-COMPENSATED, BREATHING CONTROL VALVES FOR PROLONGED WATER IMMERSION	N65-19153		N65-29757
AMRL-TR-64-130		THERMAL EVALUATION OF FOOTGEAR ASSOCIATED WITH FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT	
LOWER-LEG RESTRAINT AGAINST CENTRIPETAL FORCE - BINDING DEVICE USED IN YAW AND TRANSVERSE ACCELERATION ENVIRONMENT	N65-21399	AAL-TR-64-25	N65-33319
AMRL-TR-64-144		AEROSPACE RESEARCH LABS., WRIGHT-PATTERSON AFB, OHIO.	
HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF ORBITING SPACE STATIONS IN EXTRATERRESTRIAL ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION		THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF COLOR PERCEPTION	
		AD-611401	N65-33479

AGRICULTURAL RESEARCH SERVICE, RIVERSIDE, CALIF.

WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326

AGRICULTURAL RESEARCH SERVICE, WATKINSVILLE, GA.

PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941

AGRICULTURE DEPT., BERKELEY, CALIF.

GAS FORMATION AND EXPULSION FOLLOWING INGESTION OF
CERTAIN FOODS N65-18588

AIR FORCE ACADEMY, COLO.

BIOENGINEERING SYMPOSIUM - HUMAN, ANIMAL AND
PLANT RESEARCH FOR SPACE EXPLORATION
AD-450818 N65-16601

HUMAN SPEECH MODEL FOR FEEDBACK CONTROL SYSTEM
N65-16618

PULSE DURATION MODULATION SYSTEM FOR LIFE SCIENCE
TELEMETRY N65-16622

RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL
ACCELERATION STRESS N65-16629

AIR FORCE CAMBRIDGE RESEARCH LABS., BEDFORD, MASS.

ELECTROPHYSIOLOGICAL IMPLICATIONS OF MODEL OF
GLOBAL FUNCTION USING SIMPLE SIMULTANEITY -
BRAIN FUNCTION STUDIES WITH EEG
N65-28767

AIR FORCE DEPT., NORTON AFB, CALIF.

SURVIVAL PROBLEMS FOLLOWING AIRCRAFT ACCIDENTS
N65-29758

AIR FORCE DEPT., WASHINGTON, D. C.

GUIDED MISSILE FUNDAMENTALS - TECHNICAL TRAINING
MANUAL FOR ELECTRONIC MAINTENANCE PERSONNEL
AFM-52-31 N65-12490

MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED
AIRCRAFT AT LOW ALTITUDE N65-28454

AIR FORCE INST. OF TECH., WRIGHT-PATTERSON AFB, OHIO.

INTRA-AURAL REFLEX OF MIDDLE EAR TO
AUDIOFREQUENCY SOUND WITH DEFINED AMPLITUDE
GGC/EE/64-15 N65-12491

VECTORELECTROCARDIOGRAPHIC TECHNIQUES FOR
DETERMINING HEART POSITION DURING VIBRATION
GE/EE/64-23 N65-14413

COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE
TO HEAD TILT AND BODY ROTATION
GE/EE/64-8 N65-14436

HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO
FREQUENCY FIELDS
GE/EE/64-11 N65-16662

SURFACE REACTION FORCES ON MAN WALKING UNDER
REDUCED GRAVITY
MECH/GA-64-1 N65-20613

CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN
RECOGNITION - DIGITAL COMPUTER MODEL
GE/EE/64-22 N65-26347

TORQUE FREE ROTATIONAL DYNAMICS OF VARIABLE
CONFIGURATION BODY - APPLICATION TO WEIGHTLESS
MAN
GA/ME/64-19 N65-27420

COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS
GGC/EE/65-10 N65-35197

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH,
WASHINGTON, D. C.

PROGRAMMED INSTRUCTION AND TEACHING MACHINES
GAR-64-10 N65-10496

AIR FORCE SYSTEMS COMMAND, BEDFORD, MASS.

MAN-MACHINE INTERACTION IN INFORMATION DISPLAY AND
PROCESSING
ESD-TDR-64-609 N65-11774

HUMAN ENGINEERING IN DESIGN OF TEACHING MACHINES
ESD-TDR-64-454 N65-14525

MODIFIABILITY OF DECISIONS MADE IN CHANGING
ENVIRONMENTS - HUMAN BEHAVIOR
ESD-TR-64-657 N65-17007

SHORT TERM MEMORY USING RESPONSE VECTORS
EQUIVALENT TO DICHOTOMOUS SCORES
ESD-TR-64-678 N65-19353

AIR FORCE SYSTEMS COMMAND, BROOKS AFB, TEX.

BIOSCIENCE EXPERIMENTS IN SPACE
AMD-TR-64-10 N65-15262

SOVIET BIOSCIENCE IN SPACE - BIOASTRONAUTICS
AMD-TR-64-16 N65-15269

RELATIONSHIP OF BODY ORIENTATION IN ACCELERATED
IMPACT TO LIMITS OF TOLERANCE, INJURY, AND
FATALITY N65-16612

AIR FORCE SYSTEMS COMMAND, KIRTLAND AFB,

N. MEX.
THEORETICALLY CALCULATED VALUES OF IONIZATION
INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND
COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3 N65-29924

X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS -
TABULATION OF ATTENUATION AND ABSORPTION
COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND
GASES VS MUSCLE AND BONE
WL-TR-64-134 N65-29998

HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP
UNDER KNOWN ENVIRONMENTAL CONDITIONS
AFWL-TR-65-109 N65-34145

AIR FORCE SYSTEMS COMMAND, WRIGHT-

PATTERSON AFB, OHIO.
BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065

GENETIC CROSSOVER IN DROSOPHILA MALES UNDER
INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA
RADIATION N65-10066

TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF
MECHANICAL QUANTITIES IN PHYSIOLOGICAL
INVESTIGATIONS
FTD-TT-63-1192/164 N65-10284

LIVER REGENERATION DETERMINATION IN WHITE MICE
AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/16264 N65-10285

SPACE BIOLOGY IN THE SOVIET UNION
FTD-TT-64-664/16364 N65-10288

RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL
FLIGHTS
FTD-TT-63-1017/1 N65-10877

ALTERATIONS IN RED BLOOD CORPUSCLES FROM CHRONIC
ACTION ON HUMAN ORGANISM OF SMALL DOSES OF
IONIZING RADIATION
FTD-TT-63-784/1 N65-10982

ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND
EDUCATION SYSTEMS
AMRL-TR-64-89 N65-11082

PRODUCTION AUTOMATION, INDUSTRIAL ELECTRONICS, AND
CYBERNETICS
FTD-MT-64-188 N65-11099

EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE

IN TISSUE AND EARLY RADIATION DAMAGE TO HISTOHEMATIC BARRIERS
FTD-TT-64-644/1 N65-11100

PATHOGENIC MECHANISMS - PULMONARY BLOOD VESSEL CHANGE DUE TO CHRONIC RADIATION SICKNESS
FTD-MT-63-223 N65-11581

HUMAN NERVOUS SYSTEM AS CONTROL SYSTEM FOR VOLUNTARY MUSCLES
FTD-MT-63-265 N65-11585

REGULAR CHANGES OF CANINE PHYSIOLOGICAL RESPONSE UNDER CUMULATIVE SLOW CENTRIPETAL ACCELERATION
FTD-MT-63-179 N65-11618

AVIATION PSYCHOLOGY FOR FLYING PERSONNEL
FTD-MT-64-177 N65-11758

ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF NERVOUS SYSTEM
FTD-TT-63-1170/1&2 N65-11760

PERSONNEL SUBSYSTEM REQUIREMENTS FOR WEAPON SYSTEM
AMRL-TDR-64-65 N65-11772

RESPIRATORY AND MICROCLIMATE TEMPERATURES IN HEAD PROTECTOR IN EXTREME COLD
AMRL-TDR-64-79 N65-11896

INSTRUMENT FOR RECORDING PULSE WAVES AND BLOOD PRESSURE IN ANIMALS
FTD-TT-63-1176/1&2 N65-11900

PROTEIN BIOSYNTHESIS PROBLEMS
FTD-TT-63-1219/1&2 N65-12032

RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN RATS
FTD-TT-64-202/1&2 N65-12171

VIBRATION EFFECT ON HUMAN PERFORMANCE
AMRL-TR-64-83 N65-13996

SUPERSONIC AIR COMMERCE IN U.S., WESTERN EUROPE AND U.S.S.R. - TECHNICAL PROBLEMS, ECONOMY, AND FLIGHT SAFETY
FTD-TT-64-463/1&2 N65-14026

NEUROLOGY - SPINAL CORD REFLEX ACTIVITY, RECORDING ELECTROENCEPHALOGRAPHIC DATA, AND RADIATION EFFECTS ON HUMAN EEG
FTD-TT-64-267/1&2 N65-14470

BIOLOGICAL SERIES IN DYNAMICS OF BLOOD CIRCULATION AND EMOTIONAL STRESS ON COSMONAUTS DURING SPACE FLIGHTS
FTD-TT-64-534/1&2&4 N65-14526

DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL GRAVITATIONAL LOADS
N65-14527

EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528

SIMULATION OF TOUCH BY MEANS OF SURFACE ULTRASOUND WAVES
FTD-TT-64-225/1 N65-15112

INFLUENCE OF PROLONGED WEIGHTLESSNESS ON AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED AMPLIFICATION OF TONUS OF VAGUS NERVE
N65-15445

COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND X-RAYS ON MAMMALIAN BONE MARROW CELLS
N65-15446

ACTIVITY OF CYTOCHROME OXIDASE IN ORGANS OF RATS ADAPTED TO HIGHER AND LOWER TEMPERATURES
FTD-TT-64-444/1&2 N65-15963

NATURAL AND SOCIAL ASPECTS IN HUMAN PSYCHOLOGY
FTD-TT-64-65/1 N65-16287

PHYSIOLOGICAL ADAPTATION OF WARM BLOODED ANIMALS TO LOW TEMPERATURES
FTD-TT-64-445/1&2 N65-16291

ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403

REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404

LANDING IMPACT G FORCE INFLUENCE ON ANIMAL ORGANISM
N65-16405

MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE FOR HUMAN TOLERANCE
FTD-TT-64-70/1&2 N65-16798

PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/1&2 N65-17083

HUMAN VISION DESCRIBED AS MECHANICAL INFORMATION SYSTEM - CYBERNETICS AND INFORMATION THEORY
FTD-TT-64-401/1 N65-17173

SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER SENSITIVITY
FTD-TT-64-1052/1&2&4 N65-17194

PHYSICAL AND PSYCHIC EFFORTS OF HUMAN OPERATORS IN ADAPTIVE OPTIMIZATION OF DYNAMIC SYSTEMS
N65-17645

OXYGEN DEFICIENCY - HYPOXIA IN MAN AND ANIMALS
FTD-TT-64-878/1&2 N65-17751

COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA ACCLIMATIZATION
N65-17752

LOWER VERTEBRATES ADAPTATION TO HYPOXIA
N65-17753

INFLUENCE OF HYPOXIA ON CONDITIONED RESPONSES OF FISH
N65-17754

RACER ELECTROCARDIOGRAM UNDER NORMAL CONDITIONS AND IN HYPOXIA
N65-17755

COMPARATIVE PHYSIOLOGICAL FEATURES OF ANIMAL HEMATOGENETIC FUNCTIONS UNDER HIGH MOUNTAIN CLIMATE CONDITIONS - HYPOXIA
N65-17756

AGE AS FACTOR IN ORGANISM REACTION TO HYPOXIA
N65-17757

AGE AS FACTOR IN HUMAN ADAPTION TO HYPOXIA
N65-17758

ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF CHILDREN BORN AND RAISED IN HIGH ALTITUDE ENVIRONMENT
N65-17759

HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760

ACUTE HYPOXIA INFLUENCE ON ACID RESISTANCE OF ERYTHROCYTES OF DOGS
N65-17761

SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762

REACTION OF AGING ORGANISM TO ACUTE HYPOXIA
N65-17763

AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764

EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION TO HYPOXIA IN AGING HUMANS
N65-17765

INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN RESPIRATORY FORMATIONS OF BRAIN
N65-17766

CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE HYPOXIA
N65-17767

POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING

ORGANISM	N65-17768	ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA OR HYPERTENSION	N65-17795
OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA	N65-17769	HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF DAMAGED ENDOCARDIUM	N65-17796
ENERGY INDICES TO STATE OF CENTRAL NERVOUS SYSTEM IN HYPOXIA	N65-17770	OXYGEN DEFICIENCY OCCURRING IN HUMANS SUFFERING CARDIAC VALVE DISEASE - MITRAL DISEASE	N65-17797
ASPHYXIA INFLUENCE ON ELECTROCORTICAL EFFECTS OF ACETYLCHOLINE - HYPOXIA	N65-17771	OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY STAGES OF HYPERTENSION IN HUMANS	N65-17798
ANOXIA INFLUENCE ON METABOLISM OF SMOOTH MUSCLE	N65-17772	HYPOXIA DEVELOPMENT MECHANISM IN CARDIOVASCULAR SYSTEM DISEASE	N65-17799
ADAPTIVE COMPENSATORY FUNCTIONS OF ORGANISM IN HYPOXIA	N65-17773	DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT TREATMENT	N65-17800
MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN IMPORTANCE IN PROCESS	N65-17774	CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA PATIENTS	N65-17801
ADULT HUMAN ADAPTATION TO HYPOXIA	N65-17775	HYPOXIA IN PATHOLOGY OF LIVER DISEASES	N65-17802
SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN MECHANISM OF RESPIRATION AND BLOOD CIRCULATION IN HYPOXIA	N65-17776	HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH	N65-17803
NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS	N65-17777	DURATION OF CLINICAL DEATH AND HYPOXIA	N65-17804
REFLEX MECHANISM OF PERIODIC RESPIRATION IN HYPOXIA	N65-17778	HYPOXIA IN UNCOMPENSATED SKIN LOSS FROM BURN INJURY	N65-17805
GAS EXCHANGE REGULATION IN HYPOXEMIA	N65-17779	ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY ACCLIMATIZATION TO HYPOXIA	N65-17806
DECOMPENSATION AND COMPENSATION OF RESPIRATORY SYSTEM IN HUMAN HYPOXIA	N65-17780	OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF ELEVATED CARBON DIOXIDE CONCENTRATIONS IN RABBITS	N65-17807
ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE COMPENSATION FOR HYPOXIA IN MAN	N65-17781	OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION IN RESPIRATION UNDER EXCESS PRESSURE	N65-17808
BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF ANIMAL BLOOD AFTER LUNG REMOVAL	N65-17782	IONIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION, AND VIBRATION	N65-17809
INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM AFTER LUNG SURGERY	N65-17783	RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION SICKNESS	N65-17810
REGIONAL OXYGEN DEFICIENCY IN HUMANS WITH HYPOXIA	N65-17784	REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA ACCLIMATIZATION	N65-17811
TWO CHEMORECEPTOR MECHANISMS OF CAROTID SINUS REFLEX - HYPOXIA	N65-17785	PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION TO HIGH MOUNTAINS	N65-17812
INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL ARTERY IN DOGS	N65-17786	OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND SPINAL CORD IN HYPOXIA ACCLIMATED RATS	N65-17813
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE IN HYPERTENSION OF ARTERY	N65-17787	LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER IN HYPOXIA	N65-17814
HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION OBSTRUCTION BY HEART TISSUE	N65-17788	OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN DURING ACCLIMATIZATION TO HYPOXIA	N65-17815
HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL HEART DEFECTS OF BLUE AND PALLID TYPES	N65-17789	COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT VARIOUS OXYGEN PRESSURES	N65-17816
HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE STRUCTURES, AND AUTOALLERGY IN PATHOLOGY	N65-17790	ACCLIMATIZATION TO HYPOXIA BY MAN AND ANIMALS	N65-17817
COMPENSATION MECHANISMS IN CHRONIC OXYGEN DEFICIENCY IN BLOOD CIRCULATORY SYSTEM	N65-17791	MECHANISMS USED BY ORGANISMS TO ADAPT TO HIGH ALTITUDE CONDITIONS	N65-17818
HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE	N65-17792	ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT AIR TEMPERATURE OF MOUNTAINS	N65-17819
PATHOGENESIS OF ARTERIAL HYPOXEMIA IN RHEUMATIC HEART DISEASE	N65-17793	CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN ALTITUDES	N65-17820
BASAL METABOLISM AND EXTERNAL RESPIRATION IN CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM CONGENITAL HEART DEFECTS	N65-17794		

BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH MOUNTAIN ENVIRONMENT ACCLIMATIZATION	N65-17821	CHANGES IN EXTRACELLULAR FLUID SPACE IN WATER BALANCE DISTURBANCES OF ORGANISM AND ORGANS DURING RADIATION SICKNESS	FTD-TT-64-912/1&2&3&4	N65-17916
HIGH MOUNTAIN FACTORS ON REFLEX RELATIONSHIPS BETWEEN RENAL AND SALIVARY FUNCTION	N65-17822	RADIO ELECTRONICS IN SPACE MEDICINE	FTD-TT-64-836/1&2	N65-18041
URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH MOUNTAIN CONDITIONS	N65-17823	AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN REGENERATION SYSTEM	FTD-TT-64-247/1&2	N65-18227
CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS IN HIGH ALTITUDE ENVIRONMENT	N65-17824	ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING ORGANISMS	FTD-TT-62-1923/1&2	N65-18283
CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND RESPIRATION WITH NORMAL AND DEPRESSED THYROID GLAND FUNCTIONING IN MOUNTAIN CONDITIONS	N65-17825	ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF SPACE VEHICLE CABIN ATMOSPHERES		N65-18381
VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN HIGH ALTITUDE ENVIRONMENT	N65-17826	PROBLEMS OF SPACE BIOLOGY AND MEDICINE - SPEED AND ACCELERATION, WEIGHTLESSNESS, BIOSPHERE, FOOD SUPPLY, HUMAN FACTORS, COSMIC RADIATION	FTD-MT-63-200	N65-18427
INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS IN HIGH ALTITUDE ENVIRONMENT	N65-17827	DISTURBANCES IN FALSE IMAGES IN NEUROSES AND PSEUDONEUROSES	FTD-TT-64-52/1&2	N65-18647
CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH ALTITUDES	N65-17828	PRE-SPACE FLIGHT ASTRONAUT TRAINING IN RUSSIA	FTD-TT-64-398/1	N65-19028
CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES	N65-17829	OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE	FTD-TT-64-634/1&2&4	N65-19139
INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY FUNCTION IN BRONCHIAL ASTHMA PATIENTS	N65-17830	METHODS OF EVALUATING ANALGESIC EFFECT OF DRUGS	FTD-TT-64-55/1&2	N65-19187
MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH BRONCHIAL ASTHMA	N65-17831	HEMODYNAMIC CHANGES IN HUMAN BLOOD DURING POLAR WINTER	FTD-TT-64-285/1	N65-19194
PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY ACCLIMATIZATION TO HIGH ALTITUDES	N65-17832	CHANGES OF HIGHER NERVOUS ACTIVITY AND VEGETATIVE REACTIONS DURING LONG EXPOSURE TO RELATIVE ADYNAMIA AND ISOLATION	FTD-TT-64-635/1&2&4	N65-19197
MOUNTAIN CLIMATE THERAPY IN HYPERTENSION IN DOGS	N65-17833	CONTRIBUTION OF LABORERS, ENGINEERS, TECHNICIANS, AND SCIENTISTS TO SPACE FLIGHT TECHNOLOGY AND MEDICINE	FTD-TT-64-920/1&2	N65-20018
OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT	N65-17834	CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY GAS MASKS AND PROTECTIVE CLOTHING	FTD-TT-64-998/1&2	N65-20024
BLOOD PRESSURE NORMS FOR NATIVE MOUNTAIN INHABITANTS	N65-17835	RADIOLOGY - EFFECT OF NEUTRON RADIATION ON EYES, EXPOSURE OF MICE TO GAMMA RADIATION, AND LEUKOCYTE AND BONE MARROW CHANGES IN RABBITS EXPOSED TO RADIATION	FTD-TT-64-746/1&2	N65-21208
MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS	N65-17836	EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA AND NEUTRON RADIATION - OPHTHALMOLOGY		N65-21209
CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER MOUNTAIN ENVIRONMENT CONDITIONS	N65-17837	CORRELATION OF RADIATION DISEASE DATA IN MICE WITH LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE RANGE DIFFERENCE DUE TO INDIVIDUAL		N65-21210
HIGH MOUNTAIN PSYCHOTHERAPY OF MENTAL PATIENTS	N65-17838	INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES, AND BONE MARROW OF RABBITS EXPOSED TO RADIATION		N65-21211
TREATMENT OF SCHIZOPHRENIA PATIENTS BY RESIDENCE IN HIGH MOUNTAINS	N65-17839	RADIATION EFFECTS ON BIOLOGICAL CELLS AND WHOLE ORGANISMS	FTD-TT-62-355/1&2&4	N65-21540
COURSE OF PSYCHOMOTOR AND MANIC DEPRESSIVE PSYCHOSIS UNDER HIGH MOUNTAIN CONDITIONS	N65-17840	PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE ANALYZER BY CONDITIONED REFLEX METHOD IN MAN DURING ACUTE HYPOXEMIA AND HYPERCAPNIA	FTD-TT-62-1903/1&2&4	N65-22061
HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL EPILEPTIC SEIZURES IN DOGS AND RATS	N65-17841	BIOLOGICAL EFFECTS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD	FTD-TT-64-898/1&2	N65-22067
HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED TO SCHIZOPHRENIA PATIENTS	N65-17842			
OXIDATION METABOLISM DISTURBANCE DISTINCT FROM HYPOXIA	N65-17843			
DEGREE OF HYPOXIA OR OXYGEN DEFICIENCY PROBLEM	N65-17844			
AUTOMATIC DIAGNOSIS OF DEGREE OF HYPOXIA	N65-17845			

HUMAN PROTECTION FOR IONIZING RADIATION AND EFFECTIVENESS AND TOXICITY OF RADIOPROTECTIVE AGENTS FTD-TT-64-948/1	N65-22069	OF NUCLEAR RADIATION DAMAGE	N65-23462
BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR RECORDING BIOLOGICAL DATA DURING MOVEMENT AND ACTIVITY FTD-MT-64-416	N65-22425	LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR DETERMINATION OF LETHAL CONGENITAL ANOMALIES FROM X-RAY DOSES	N65-23463
HIGH SPEED AND HIGH ALTITUDE AIRCRAFT ESCAPE BY EJECTION SEAT - AERODYNAMIC FORCE AND RAREFACTION EFFECTS FTD-TT-65-260/182	N65-22447	IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN KIDNEY CELLS	N65-23464
CONFERENCE ON PREDECISIONAL PROCESSES IN DECISION MAKING - ASSESSMENT OF PRESENT DECISION THEORY ADEQUACY IN DEALING WITH HUMAN DECISION MAKING BEHAVIOR AMRL-TDR-64-77	N65-22475	INITIAL STAGES OF RADIATION DAMAGE TO BIOLOGICAL CELLS AND GENETIC MATERIALS AND PREVENTIVE METHODS	N65-23465
VIBRATION EFFECTS ON CENTRAL NERVOUS SYSTEM AND FUNCTION OF CORTEX OF SUPRARENAL GLAND IN PATIENTS SUFFERING VIBRATION SICKNESS FTD-TT-64-962/1	N65-22642	HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST CELLS FOR STUDY OF CELLULAR MODIFICATION	N65-23466
CLINICAL DATA ON PATIENTS SUBJECTED TO VIBRATIONAL FREQUENCIES INDICATING CHANGES IN PERIPHERAL NERVOUS SYSTEM AND VESSELS	N65-22643	INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR SYSTEMS TO IONIZING RADIATION	N65-23467
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS IN MALE MINERS WITH SECOND AND THIRD STAGE VIBRATION SICKNESS	N65-22644	RADIATION PROTECTION BY CHEMICAL COMPOUNDS IN MAMMALS	N65-23468
HUMAN ENGINEERING - EFFECT OF VARIATIONS IN GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM UNDER SPACE FLIGHT STRESSES	N65-22723	INSTALLATION OF BIO-UNITS IN VOSTOK III AND VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF COSMIC RADIATION AND FLIGHT FACTORS ON BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE	N65-24488
TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE IN IRRADIATED ORGANISM - ANIMAL STUDY	N65-22724	SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF TRADESCANTIA PALUDOSA DURING FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS	N65-24489
RADIATION DAMAGE AND EFFECTS IN INTRACELLULAR COMPONENTS, DEOXYRIBONUCLEIC ACID SYNTHESIS, IONIZING RADIATION, AND RADIATION PROTECTION FTD-TT-64-515/182	N65-23450	SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA MELANOGASTER DURING FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS	N65-24490
INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY ABSORPTION IN CELLULAR STRUCTURES	N65-23451	PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE OF AIR PRESSURE FTD-TT-65-258/182	N65-25341
RADIOBIOLOGICAL DAMAGE IN AEROBIC AND ANAEROBIC SYSTEMS	N65-23452	TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION EXPOSURE, DAMAGE, AND TREATMENT FTD-TT-64-1058/182	N65-25775
RADIATION EFFECTS ON PROTEIN MOLECULES AND NUCLEIC ACIDS IN SOLUTION AND ON INTERFACES	N65-23453	EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS FTD-TT-65-259/1	N65-25856
X-RAY EFFECT ON INTRACELLULAR BACTERIOPHAGE PRODUCTIVITY	N65-23454	ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA FTD-TT-65-388/182	N65-26142
IONIZING RADIATION EFFECT ON CELLULAR PROTEIN SYNTHESIS	N65-23455	BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE	N65-27136
DRY BACTERIAL SPORE RADIATION SENSITIVITY STUDY FOR DETERMINATION OF INTRACELLULAR CHEMICAL REACTIONS DURING IRRADIATION	N65-23456	EXTRATERRESTRIAL SPACE CABIN ENVIRONMENT FOR EXTENDED SOLAR SYSTEM TRAVEL FTD-TT-65-72/182	N65-27586
FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN IRRADIATED BIOLOGICAL CELLS	N65-23457	CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION OF TRAINED DOGS AMRL-TR-64-145	N65-27837
PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS	N65-23458	RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR ASTRONAUTS AND FOR AIR PURIFICATION FTD-TT-64-731/182	N65-27857
X-RAY AND AMINO ACID ANALOG EFFECT ON DNA SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS	N65-23459	PROBLEMS IN BIOLOGY AND BORDERLINE MEDICINE WITH EMPHASIS ON CHEMICAL COMPOSITION AND PHOTOSYNTHETIC PROCESSES OF CHLORELLA VULGARIS BEYER FTD-TT-64-636/182	N65-28101
RADIATION EFFECT ON LIPID COMPLEXES AND ON LIPID METABOLISM IN CELL	N65-23460	PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON SYNTHESIS AND MULTIPLICATION OF SPECIES	N65-28102
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION	N65-23461	CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER GROWN IN OPEN TANKS	N65-28103
NORMAL NUCLEAR BIOCHEMICAL PROCESSES AND ANALYSIS			

- CONFERENCE ON OBSERVATION BY ASTRONAUTS UNDER SPACE FLIGHT CONDITIONS
FTD-TT-65-1/1 N65-28118
- PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT PROTECTION AND APPLICATION OF PHYSIOCHEMICAL ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1&2&3&4 N65-28531
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
- EFFECT OF LETHAL DOSAGES OF X-RAYS ON ATP CONTENT IN LIVER AND PHOSPHOPROTEIN EXCHANGE IN GUINEA PIGS
FTD-TT-64-1163/1 N65-29119
- MOLECULAR GENETICS AND RADIATION EFFECTS ON HEREDITY
FTD-TT-63-1214/1&2 N65-29131
- EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT PARACHUTISTS DURING TRAINING
FTD-TT-65-437/1 N65-29160
- LOCATION AND RETRIEVAL CONCEPTS FOR REENTRY CREW ESCAPE SYSTEMS
N65-29759
- HUMAN ELECTROENCEPHALOGRAPH AND ELECTRODERMAL RESPONSE CHANGES WITH TEMPORARY CONNECTION BETWEEN MOTOR AND VISUAL ANALYZERS IN RINETHETIC AND PHOTIC STIMULATION PAIRING
FTD-TT-65-434/1&2 N65-30015
- INCREASING RELIABILITY OF MACHINE PERCEPTION OF VOCAL SOUNDS BY INTRODUCING REPEATED DEMAND
FTD-TT-65-104/1&2 N65-30149
- MENTAL TELEPATHY AS MEANS FOR TELECOMMUNICATION
FTD-TT-65-366/1&4 N65-30448
- SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL BODY TEMPERATURE WITHOUT ALTERING NORMAL PHYSIOLOGY
FTD-TT-65-74/1&2 N65-30489
- RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND EXTERNAL PRESSURE IN RABBITS
FTD-TT-65-307/1&2&4 N65-30927
- GROWTH OF ALGAE IN SEWAGE WATER - SOIL BACTERIA GROWTH STIMULATION BY BLUE-GREEN ALGAE
FTD-TT-65-66/1&2 N65-31421
- GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE
N65-31422
- ALGAE GROWTH IN CITY SEWAGE WATER - EXPERIMENTS
N65-31423
- DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE IN BLOOD SERUM - TOXICOLOGY
AMRL-TDR-64-24 N65-31864
- RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS MEASURED FOR EVALUATING WORKING CONDITIONS OF AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/1&4 N65-32289
- AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS WITH ACUTE RADIATION SICKNESS
FTD-TT-65-383/1&4 N65-33411
- BIOINSTRUMENTATION FOR AEROSPACE MEDICINE - CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM SIMULATOR, AND ELECTRON VOLTAGE STABILIZER
FTD-TT-64-1089/1&2 N65-33752
- BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC MOUTH DISEASES
FTD-TT-65-530/1&4 N65-33755
- EFFECT OF GAMMA RADIATION AND VIBRATION ON DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION BALANCE OF ERYTHROCYTES
FTD-TT-65-585/1&2&4 N65-34868
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON PHYSIOLOGICAL PROCESSES IN GERMINATION AND SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER PLANTS - BIOLOGICAL EFFECTS
N65-34942
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION
N65-34943
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI SPACECRAFTS
N65-34944
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE DIFFUSE THERMAL RADIATION EXPOSURE
AMRL-TR-65-64 N65-35045
- COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE SPACE RENDEZVOUS MANEUVERS, USING DIRECT VISUAL CUES
AMRL-TR-65-10 N65-35632
- AIRESEARCH MFG. CO., LOS ANGELES, CALIF.
HUMAN FACTOR CRITERIA, ENVIRONMENTAL CONTROL, AND LIFE SUPPORT SYSTEM FOR LUNAR SHELTER
NASA-CR-60909 N65-17603
- HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED SUITS
NASA-CR-216 N65-23171
- ELECTRONIC BLOOD PRESSURE MEASURING SYSTEM FOR MERCURY PROJECT
NASA-CR-65057 N65-29782
- AIX-MARSEILLES UNIV. /FRANCE/.
VISUALLY-EVOKED POTENTIALS IN MAN RECORDED TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE SUFFERING FROM CEREBRAL DISEASES - CENTRAL NERVOUS SYSTEM
N65-28751
- AKADEMIE DER WISSENSCHAFTEN UND DER LITERATUR, MAINZ /WEST GERMANY/.
SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION OF RADIATION EFFECTS ON BACTERIOPHAGES
N65-24616
- ALASKA UNIV., COLLEGE.
ARCTIC MEDICINE AND BIOLOGY - FROSTBITE
N65-24301
- ALBERT EINSTEIN MEDICAL CENTER, PHILADELPHIA, PA.
METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE DURING PROLONGED HYPOTHERMIA
AAL-TDR-64-4 N65-11890
- ALLIED RESEARCH ASSOCIATES, INC., BOSTON, MASS.
BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS
NASA-CR-63145 N65-25270
- ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS.
SENSORY ORGANS IN ANIMAL SYSTEMS - ANALOGY FOR MANMADE DETECTION DEVICES
NASA-CR-60434 N65-16028
- AMERICAN FOUNDATION FOR BIOLOGICAL RESEARCH, MADISON, WIS.
MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE
AAL-TDR-63-26 N65-12189
- TIME FACTOR INITIATING FREEZING AND ICE PENETRATION AND FORMATION IN MOUSE LIMB TISSUE
AAL-TDR-63-27 N65-17910
- INJURY CAUSED BY FORMATION OF ICE IN ISOLATED MUSCLES OF RATS
AAL-TDR-63-39 N65-18971
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND

CORPORATE SOURCE INDEX

ARMY BIOLOGICAL LABS., FORT DETRICK, MD.

HAMSTERS - COLD TOLERANCE AAL-TDR-63-30	N65-18972	ARGONNE CANCER RESEARCH HOSPITAL, CHICAGO, ILL. ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND REAL PARTICULATE FALLOUT ACRH-102	N65-13845
DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS, LIMBS, AND SKIN OF FROGS AND MICE AAL-TDR-63-28	N65-27561	RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS, ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS, BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES, SYNTHESIS OF TRACERS, AND INSTRUMENTATION ACRH-22	N65-15627
AMERICAN INST. FOR RESEARCH, PALO ALTO, CALIF. PERFORMANCE EVALUATION IN SIMULATOR TRAINING ENVIRONMENT NAVTRADEVCE-1449-1	N65-14797	ARGONNE NATIONAL LAB., ILL. BIOLOGICAL AND MEDICAL EXPERIMENTS AND RESEARCH REPORTS ON LABORATORY ANIMAL STUDIES ANL-6906	N65-11931
PROGRAMMED LEARNING IMPROVED BY REVISED COPY FORMAT - SELF-EVALUATION RESPONSE, TYPOGRAPHICAL EMPHASIZING, AND TERSE AND DISCURSIVE TEXT AIR-C28-7/63-TR	N65-15959	POST FERTILIZATION RECOVERY PROCESS FOR IRRADIATED EGGS AND SPERM OF SEA URCHIN	N65-18082
AMERICAN INST. FOR RESEARCH, PITTSBURGH, PA. EFFECTS OF STEP SIZES ON ERROR RATES IN LINEAR PROGRAMMING NAVTRADEVCE-1208-1	N65-10230	X-RAY DIAGNOSIS, RADIOTHERAPY, AND NUCLEAR MEDICINE - RADIOLOGICAL PHYSICS	N65-18086
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM NASA-CR-67080	N65-33972	THORIUM DAUGHTER ISOTOPE ACTIVITIES IN THOROTRAST PATIENTS	N65-18087
AMOCO CHEMICALS CORP., SEYMOUR, IND. SOLID CHEMICAL AIR GENERATOR FOR PRODUCING BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE - SPACE APPLICATION AG-1	N65-10267	CALCIUM ACCRETION AND BONE FORMATION IN DOGS	N65-18088
ANTIOCH COLL., YELLOW SPRINGS, OHIO. ANTHROPOMETRIC STUDIES - GRASPING-REACH CAPABILITY AS GUIDE TO EQUIPMENT DESIGN AMRL-TDR-64-59	N65-11895	OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE	N65-18089
APPLIED SCIENCE ASSOCIATES, INC., VALENCIA, PA. TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY OF M-1 CARBINE AMRL-TDR-64-90	N65-11899	DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE AND CARTILAGE	N65-18090
ARGENTINA. COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES. GLUCOSE INFLUENCE ON PHOSPHORUS METABOLISM IN CHLORELLA	N65-21073	GAMMA RAY SPECTROSCOPY OF MAN - LONG TERM EFFECTS OF RADIUM DEPOSITION, MEASURING TECHNIQUES, RADIUM DISTRIBUTION AND RETENTION, AND CESIUM AND POTASSIUM ACCUMULATION ANL-6839	N65-21241
ALGAE PHOSPHORUS METABOLISM IN LIPID FRACTIONS UNDER NORMAL AND HETEROTROPHIC CONDITIONS	N65-21074	CONFERENCE ON BIOCHEMISTRY, BIOPHYSICS, CARCINOGENESIS, PLANT RADIOBIOLOGY, GENETICS, EXTERNAL RADIATION TOXICITY, AND METABOLISM OF FISSION PRODUCTS ANL-6971	N65-24249
ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC PLANTS REPT.-138	N65-21186	RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60 GAMMA RADIATION AND X-RAYS ON CARTILAGE OF YOUNG RABBIT LARYNX ANL-TRANS-121	N65-32833
CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY CHLORELLA IN LIGHT AND DARK REPT.-135	N65-23301	RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT	N65-34581
SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131 AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES REPT.-143	N65-23307	ARIZONA UNIV., TUCSON. PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT, TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE, AND PROGRAMMING ON ANALOG COMPUTER AD-603477	N65-14282
METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY CHLORELLA VULGARIS REPT.-132	N65-23645	SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING ENVIRONMENTAL FACTORS AD-612908	N65-26003
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT THYROID TUMORS REPT.-129	N65-23729	ARLINGTON STATE COLL., TEX. EFFECT OF PROTECTIVE FILTERS AND LENSES ON COLOR JUDGMENT BY HUMANS NASA-CR-63766	N65-27956
BETA RADIATION PENETRATION DETERMINATION OF STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS THICKNESSES REPT.-155	N65-31074	ARMED FORCES INST. OF PATHOLOGY, WASHINGTON, D. C. SKIN GRAFT REJECTION IN FETUS OF SHEEP	N65-22306
STANDARDIZATION OF COLLIMATION EQUIPMENT FOR MEASURING THYROID ABSORPTION OF IODINE 131 REPT.-148	N65-36615	ARMY BIOLOGICAL LABS., FORT DETRICK, MD. MICROBIAL CONTAMINATION OF CLEAN ROOMS NASA-CR-60184	N65-15148
STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND DIETS OF CHILDREN	N65-36616	PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID RESINS CHROMATOGRAPHY	N65-22299
FATE OF SPLEEN CELLS LABELLED WITH TRITIUM - SENSITIVITY IN VIVO CULTURES DURING SECONDARY RESPONSE OF ANTIBODY	N65-36617	VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES	N65-22311

- PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS ENTEROTOXIN - ANIMAL STUDY N65-22747
- HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS INFECTION AND CONTROLLED FEVER IN CHIMPANZEES N65-22761
- LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE MICROORGANISMS OUTDOORS AND INDOORS N65-23996
- DRY HEAT STERILIZATION OF MICROORGANISMS ON GLASS SURFACES AT 100 DEG C NASA-CR-63665 N65-27517
- CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL PROCESS IN ANAEROBIC SOIL FD3-3957/T-166-/ N65-32693
- ARMY CHEMICAL CENTER, EDGEWOOD, MD.
ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION CAMERA AND CALIBRATED MONITOR CRDL-TM-2-3 N65-22392
- ARMY CHEMICAL CORPS, FORT DETRICK, MD.
DRY HEAT STERILIZATION OF NATURALLY CONTAMINATED METAL SURFACES NASA-CR-52899 N65-17290
- ARMY MEDICAL RESEARCH AND NUTRITION LAB., DENVER, COLO.
CALORIC REQUIREMENTS FOR MANNED SPACE FLIGHTS N65-18578
- ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT N65-18594
- COMPARISON OF CALCIUM AND IODINE EXCRETION IN ARM AND TOTAL BODY SWEAT OF HUMANS REPT.-282 N65-34517
- TRACE MINERAL LOSSES IN SWEAT REPT.-284 N65-35035
- ARMY MEDICAL RESEARCH LAB., FORT KNOX, KY.
EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION ON HORIZONTAL NYSTAGMUS IN CAT REPT.-620 N65-36664
- ARMY MEDICAL RESEARCH UNIT, BALBOA HEIGHTS /CANAL ZONE/.
INTRAPERITONEAL INOCULATION OF MICE WITH SUBLETHAL DOSAGES OF VIRUSES N65-22312
- ARMY MEDICAL SERVICE, WASHINGTON, D. C.
NUTRITION, DIET, AND METABOLISM RESEARCH BY ARMY MEDICAL SERVICE N65-18571
- ARMY MISSILE COMMAND, HUNTSVILLE, ALA.
PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY OF BRAIN RSIC-298 N65-20526
- ARMY NATICK LABS., MASS.
BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN ARCTIC CLOTHING - HUMAN ENGINEERING EPT-2 N65-19004
- RADIATION DOSE MEASUREMENTS AND SCREENING FOR RADIATION PROTECTIVE COMPOUNDS OF LIVING CELLS - BIODOSIMETRY N65-22288
- ELECTRON STERILIZATION OF CONTAMINATED FOOD - RADIOBIOLOGY AND DECONTAMINATION FD-6 N65-25641
- PROPERTIES OF TEXTILES USED FOR THERMAL RADIATION PROTECTION TS-132 N65-31974
- ARMY PERSONNEL RESEARCH OFFICE, WASHINGTON, D. C.
IMPROVEMENT OF PERSONNEL WORK PERFORMANCE CHARACTERISTICS IN MILITARY MONITOR SYSTEMS AD-609112 N65-18001
- ARMY RESEARCH INST. OF ENVIRONMENTAL MEDICINE, NATICK, MASS.
SOLUTIONS FOR PROTECTION OF SOLDIERS EXPOSED TO EXTREME COLD WEATHER CONDITIONS IN ARCTIC AD-613189 N65-25924
- ASSOCIATION CLAUDE BERNARD, PARIS /FRANCE/.
RADIATION EFFECTS ON FUNCTIONS AND ENZYMIC POTENTIAL OF PLATELETS EUR-2438.F N65-35006
- ATOMIC ENERGY COMMISSION RESEARCH ESTABLISHMENT, RISO /DENMARK/.
STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN PRECIPITATION, SOIL, SEA WATER, VEGETATION, ANIMALS, AND DRINKING WATER IN GREENLAND RISO-87 N65-18474
- ATOMIC ENERGY COMMISSION, NEW YORK.
FALLOUT DEPOSITION - RADIOACTIVE NUCLIDE LEVELS IN MILK, TAP WATER, SOIL, AND UPPER ATMOSPHERE AIR SAMPLES HASL-155 N65-15865
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS WORLDWIDE SAMPLINGS AND STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS HASL-158 N65-22800
- STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS FROM SYSTEM FOR NUCLEAR AUXILIARY POWER- 9 A / SNAP-9A/ BY PLUTONIUM ISOTOPE MEASUREMENTS N65-22801
- ATOMIC ENERGY COMMISSION, OAK RIDGE, TENN.
ANNOTATED BIBLIOGRAPHY ON PHYSICAL AND CHEMICAL METHODS FOR REMOVAL OF RADIOACTIVE CONTAMINATION TID-3535, SUPPL. 1 N65-24262
- ANNOTATED BIBLIOGRAPHY ON TECHNIQUES AND INSTRUMENTS FOR RADIOACTIVE ISOTOPES TID-3512, SUPPL. 1 N65-25023
- SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING OF THORIUM AND ITS COMPOUNDS AEC-TR-6536/REV./ N65-26596
- SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH RADIATION EFFECTS ON MAMMALIAN EYE TID-3912/INDEX/ N65-31958
- ATOMIC ENERGY COMMISSION, WASHINGTON, D. C.
IONIZING RADIATION FOR FOOD PRESERVATION - PASTEURIZATION CONF-641002 N65-18321
- RADIOACTIVE FALLOUT - LITERATURE ON MATERIALS PRODUCED BY NUCLEAR EXPLOSIONS TID-3086, SUPPL. 2 N65-21442
- ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN BIOLOGICAL AND MEDICAL RESEARCH TID-3580 N65-22098
- BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON METABOLISM OF WILD SPECIES OF PLANTS AND ANIMALS TID-3910, SUPPL. 3 N65-23596
- LABORATORY MANUAL FOR RADIATION BIOLOGY TID-18616, REV. N65-24623
- RADIATION PROTECTION AND GENETICS, AND RECOVERY PROCESSES DURING POST-RADIATION PERIOD - RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON ANIMALS, INSECTS, AND YEAST CELLS AEC-TR-6404 N65-26378
- MELTING POINT CURVES FOR DETERMINING EFFECTS OF IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS IN DNA MACROMOLECULE N65-26379
- SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE TO HEMOGLOBIN IN RAT AND PIGEON BLOOD N65-26380
- RELATIVE BIOLOGICAL EFFECTIVENESS OF FAST NEUTRONS FOR STUDYING IRRADIATION DAMAGE OF CELLS N65-26381
- ELECTRICAL PARAMETERS MEASURED FOR DETERMINING INFLUENCE OF IONIZING RADIATION ON

- SUBMICROSCOPIC STRUCTURE OF STRIATED FROG MUSCLES N65-26382
- DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME N65-26383
- IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT ON RADIATION AT VARIOUS RADIATION DOSE RATES N65-26384
- TIME-EFFECT CURVES FOR IRRADIATION OF DORMANT PEA SEEDS WITH VARIOUS MOISTURE CONTENTS FOR DETERMINING AMOUNT OF DAMAGE N65-26385
- IRRADIATION OF YEAST FOR TESTING MATHEMATICAL MODEL FOR REMOVAL OF EFFECTIVE DOSE - PHOTOREACTIVATION OF CELLS IRRADIATED BY ULTRAVIOLET N65-26386
- REALIZATION PERIOD FOR POTENTIAL RADIATION DAMAGE IN DIPLOID YEAST CELLS N65-26387
- WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE IRRADIATED FOR DETERMINING RADIOSENSITIVITY OF CELLS TO VARYING X-RAY DOSES N65-26388
- DOG RECOVERY FROM RADIATION SICKNESS - STATE OF MYELOPOIESIS IN DOGS UNDER REPEATED IONIZING RADIATION N65-26389
- BLOOD CIRCULATION IN MICE AND RATS TRACED FOR DETERMINING INFLUENCE OF ANTIRADIATION DRUGS ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN IN ORGANS N65-26390
- CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES WASH-1059 N65-27468
- PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS - RADIOIODINE PRODUCED BY ATOMIC EXPLOSION AEC-TR-6550 N65-27771
- ATOMIC ENERGY OF CANADA, LTD., CHALK RIVER /ONTARIO/.
VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT THERMAL ENVIRONMENT AECL-2123 N65-15634
- ANALYSIS OF EXTERNAL RADIATION EXPOSURE - DOSIMETRY AND NUCLEAR REACTOR SAFETY AECL-2239 N65-27447
- MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE AECL-2240 N65-27471
- ATOMIC ENERGY OF CANADA, LTD., OTTAWA /ONTARIO/.
DESIGN OF RADIATION STERILIZATION PLANTS FOR MEDICAL SUPPLIES AND PHARMACEUTICALS AECL-2264 N65-28023
- ATOMIC WEAPONS RESEARCH ESTABLISHMENT, ALDERMASTON /ENGLAND/.
CHELATION WITH ALKALINE EARTH METALS, CHELATE COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY, AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239 REMOVAL AGENTS AWRE-D-4765 N65-28883
- DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF PARTICULATE MATERIAL DURING OPERATION ROLLER COASTER INCLUDING PERFORMANCE OF CASCADE IMPACTORS AND FITTING OF DISTRIBUTIONS AWRE-D-20765 N65-28885
- AUTONETICS, ANAHEIM, CALIF.
AIR TO GROUND TARGET RECOGNITION - TELEVISION CAMERA LENS FIELD OF VIEW EFFECT T5-133/3111 N65-22869
- AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED AND TIME-TO-GO INFORMATION EFFECT T5-134/3111 N65-22870
- LABORATORY SIMULATION EXPERIMENT TO DETERMINE EFFECT OF TARGET TYPE AND GROUND SPEED ON AIR-TO-GROUND TARGET RECOGNITION T5-990/3111 N65-29239
- SYSTEM FOR MANAGEMENT OF HUMAN FACTOR IN PHYSICS OF FAILURE N65-30316
- AUTONETICS, DOWNEY, CALIF.
OPERATOR PERFORMANCE OF ROTARY SELECTOR SWITCHES T5-1187/3111 N65-34302
- AVCO CORP., TULSA, OKLA.
CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL EFFECTIVENESS IN YEAST NASA-CR-67239 N65-35107
- ## B
- BATTELLE MEMORIAL INST., COLUMBUS, OHIO.
RADIATION EFFECTS THRESHOLDS OF ELECTRONIC EQUIPMENT AND STRUCTURAL MATERIALS - METALS, POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC COMPONENTS N65-34587
- BATTELLE-NORTHWEST, RICHLAND, WASH.
ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS, RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS TECHNOLOGY, AND INSTRUMENTATION BNWL-36 N65-33022
- BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND MEDICAL RESEARCH BNWL-115 N65-34703
- BAYLOR UNIV., HOUSTON, TEX.
ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR N65-16606
- DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT N65-28759
- INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND EXERCISE ON CARDIOVASCULAR RESPONSES N65-28763
- DATA ACQUISITION AND AUTOMATIC DATA PROCESSING SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC REFERENCE TAPE LIBRARY N65-28768
- COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED REST ON CARDIAC DYNAMICS AND DISCUSSION OF ORTHOSTATIC HYPOTENSION N65-28769
- BECKMAN INSTRUMENTS, INC., FULLERTON, CALIF.
WEARABLE, WIRELESS OXIMETER WITH BLOOD PRESSURE MEASUREMENT CAPABILITY NASA-CR-64080 N65-30480
- ELECTROENCEPHALOGRAPH SIGNAL CONDITIONERS NASA-CR-65099 N65-31185
- BELL AEROSYSTEMS CO., BUFFALO, N. Y.
OPERATOR TRAINING REQUIREMENTS FOR AIR CUSHION VEHICLES NAVTRADEVCE-1557-1 N65-23085
- INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135 AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS FUNCTIONS OF CREW EXPERIENCE AND SELECTED MISSION SEGMENTS AMRL-TR-65-18 N65-30156
- BELL HELICOPTER CO., FORT WORTH, TEX.
PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL VISUAL DISPLAY C228-421-019 N65-19440
- ACCURACY OF ALTITUDE AND GROUND SPEED DETERMINATIONS USING CONTACT ANALOG SIMULATOR DISPLAY SYSTEM C228-421-015 N65-30934

- BENSON /ROBERT W./ AND ASSOCIATES, INC.,
NASHVILLE, TENN.
BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY
CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE
AMRL-TR-65-11 N65-30036
- BERKELEY INST. OF PSYCHOLOGICAL RESEARCH,
SAN FRANCISCO, CALIF.
FIELD BEHAVIOR AND PRE-EXPEDITION PERSONALITY
ASSESSMENT RESULTS, CRITERION VARIABLES, AND
ASSESSMENT CORRELATES OF 1963 AMERICAN MOUNT
EVEREST EXPEDITION
TR-1 N65-25905
- BERNICE P. BISHOP MUSEUM, HONOLULU, HAWAII.
AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT
N65-23994
- BIO-DYNAMICS, INC., CAMBRIDGE, MASS.
TRANSFER OF AEROSPACE TECHNOLOGY TO BIOMEDICINE
NASA-CR-60635 N65-16932
INFORMATION SYSTEMS FOR AUTOMATED ON-JOB TRAINING
ESD-TDR-64-234, VOL. III N65-31242
PRINCIPLES FOR DESIGN AND USE OF INFORMATION
SYSTEMS FOR AUTOMATED ON-THE JOB TRAINING
ESD-TDR-64-234, VOL. V, FINAL N65-31249
SIMULATOR TRAINING FOR MOTION SICKNESS
SUPPRESSION IN PROLONGED SPACE FLIGHT
NASA-CR-64639 N65-33256
- BIOSYSTEMS, INC., CAMBRIDGE, MASS.
BIOLOGICAL CONTROL SYSTEMS - VESTIBULAR EFFECT ON
SPACE ORIENTATION OF MAN
NASA-CR-59441 N65-10363
BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR
HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER
SIMULATION AND SERVOANALYSIS
NASA-CR-190 N65-19261
NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN
VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF
VERSION AND VERGENCE
NASA-CR-238 N65-25300
- BIOTECHNOLOGY, INC., ARLINGTON, VA.
EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF
RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT
BTI-64-1 N65-12090
- BOEING CO., SEATTLE, WASH.
EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT --
SOAPS, DETERGENTS, AND VOMITUS
SAM-TDR-64-41 N65-10014
HUMAN BEHAVIOR AND TOLERANCE IN CLOSED SELF-
SUSTAINING INTEGRATED LIFE SUPPORT SYSTEM USING
BOEING HIGH ALTITUDE CHAMBER AS TEST BED
NASA-CR-134 N65-12076
WASTE MANAGEMENT FOR CLOSED ENVIRONMENTS - PROCESS
CONTROL, COLLECTION, TRANSPORT, AND TREATMENT
N65-18577
RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY
FRACTIONAL CELL LETHALITY APPROACH
N65-34603
- BOEING CO., WICHITA, KANS.
SUBJECTIVE REACTION OF HUMAN MALES TO VIBRATION
D3-6474 N65-14350
VIBRATIONAL TESTING OF HUMANS FOR WHOLE BODY
VIBRATION EFFECT ON VISUAL-MOTOR PERFORMANCE
D3-3512-5 N65-18852
VIBRATION TESTING OF HUMANS FOR WHOLE BODY
VERTICAL VIBRATION EFFECT ON TRACKING
PERFORMANCE
D3-3512-6 N65-18853
- BOEING SCIENTIFIC RESEARCH LABS., SEATTLE,
WASH.
PROBABILITY DISTRIBUTION OF ACCUMULATED RADIATION
DOSE IN BLOOD DIVERTED THROUGH SHUNT
- DI-82-0362 N65-10964
- BOLT, BERANEK, AND NEWMAN, INC., CAMBRIDGE,
MASS.
ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY
REPT.-1159 N65-13172
ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY
NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING
LEARNING AND DIFFERENT STAGES OF SLEEP AND
ALERTNESS
AFOSR-64-0966 N65-13205
AUDITORY FATIGUE PRODUCED BY HIGH INTENSITY
ACOUSTIC IMPULSES
REPT.-1158 N65-14366
MANUAL CONTROL OF TWO-AXIS TRACKING
NASA-CR-60697 N65-16810
SUBJECTIVE REACTIONS TO SONIC BOOMS AND HUMAN
ADAPTATION OR REACTION
NASA-CR-187 N65-17877
BIAXIAL MIXED-DYNAMICS TRACKING TASK - MANUAL
CONTROL SYSTEMS
NASA-CR-62251 N65-21766
ATTENTION THEORY AND PARAMETER MEASUREMENTS OF
HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS
SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY
INFLUENCE ON REACTION TIME
NASA-CR-194 N65-23170
FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT
NOISE - MASKING OF SPEECH AND VARIABILITY OF
SUBJECTIVE JUDGMENTS
FAA-ADS-42 N65-33435
PRELIMINARY ANALYSIS OF EXPERIMENTAL DATA IN
MANUAL CONTROL SYSTEMS STUDY
NASA-CR-64578 N65-36433
- BONN UNIV. /WEST GERMANY/.
CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING
EXPERIMENTATION WITH RATS N65-18597
- BOSTON UNIV., MASS.
DIET AND NUTRITION EFFECT ON GASTROINTESTINAL
SYSTEM AND BOWEL MOTILITY N65-18585
- BOYCE THOMPSON INST. FOR PLANT RESEARCH, INC.,
YONKERS, N. Y.
TISSUE GROWTH OF HIGHER PLANTS IN CONTINUOUS
LIQUID CULTURE - USE IN NUTRITIONAL EXPERIMENT
WITH WEANLING MICE
AMRL-TR-65-101 N65-34492
- BRANDEIS UNIV., WALTHAM, MASS.
ULTRATHIONATE EFFECT ON STABILITY AND
IMMUNOLOGICAL PROPERTIES OF MUSCLE
TRIOSEPHOSPHATE DEHYDROGENASES
NASA-CR-56251 N65-19962
LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS
IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC
ACIDS
NASA-CR-63246 N65-25590
QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR
DETECTION OF SMALL DIFFERENCES IN PROTEIN
STRUCTURE
NASA-CR-58660 N65-29652
- BROOKHAVEN NATIONAL LAB., UPTON, N. Y.
OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD
GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL
REVIEW
BNL-898 N65-23230
MEDICAL SURVEY OF PEOPLE OF RONGELAP IN MARSHALL
ISLANDS NINE AND TEN YEARS AFTER EXPOSURE TO
RADIATION FALLOUT
BNL-908/T-371/ N65-26295
RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS
BNL-8469 N65-32842
MECHANISM OF HUMAN ANTIBODY FORMATION

BNL-912/T-374/ N65-33991
 RADIATION EFFECTS ON PATTERNS OF NATURE
 BNL-924/T-381/ N65-34107
 NATURAL BACKGROUND AND RADIATION LEVELS
 ATTRIBUTABLE TO LABORATORY OPERATIONS DURING
 1963
 BNL-915/T-376/ N65-34205
 BROOKS HOSPITAL, INC., BROOKLINE, MASS.
 PHOTOSYNTHETIC REACTIONS DURING REGREENING OF
 ALGA CHLAMYDOMONAS REINHARDI
 AFRL-64-342 N65-24455
 BROWN ENGINEERING CO., INC., HUNTSVILLE, ALA.
 PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON
 HUMANS WORKING IN ROTATING ENVIRONMENTS
 R-63 N65-15039
 PHYSIOLOGICAL MECHANICAL EFFECT OF ACCELERATIONS
 ON HUMANS WORKING IN ROTATING ENVIRONMENT
 R-63 N65-20565
 BRUSSELS UNIV. /BELGIUM/.
 PREPARATION OF LABELLED PROTEINS AND PEPTIDES
 EUR-1845.F N65-36377
 BRYN MAWR COLL., PA.
 CORTISONE INFLUENCE ON GLYCOGENOGENESIS, ENDOTOXIN
 LETHALITY, AND TRYPTOPHAN PYRROLASE INDUCTION IN
 COLD-EXPOSED MICE
 AAL-TDR-64-5 N65-19289
 CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM,
 AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD
 AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND
 RADIOACTIVE TRACING MEASUREMENTS
 AAL-TDR-64-14 N65-27531
 ENZYME INDUCTION AND CORTISONE PROTECTION IN
 ENDOTOXIN-POISONED MICE
 AAL-TDR-64-8 N65-30826
 BUNDESAMT FUER WEHRTECHNIK UND BESCHAFFUNG,
 KOBLENZ /WEST GERMANY/.
 MAN-MACHINE PROBLEMS IN VTOL AIRCRAFT -
 TECHNOLOGICAL ASPECTS N65-28455
 BUNKER-RAMO CORP., CANOGA PARK, CALIF.
 MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN
 IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE
 ON MANNED SPACE FLIGHT TECHNOLOGY
 NASA-CR-199 N65-21226
 HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
 FOR ALL-WEATHER LANDING
 AD-612726 N65-26118
 SIMULATION, MODELS, AND GAMES AS ANALOGIES
 MEASUREMENT CRITERIA IN MAN-MACHINE SYSTEM
 SIMULATION
 NASA-CR-257 N65-27397
 HUMAN ENGINEERING SUPPORT FOR PILOT FACTORS
 PROGRAM - TECHNICAL DIRECTION, FURNISHING,
 INSTALLATION, AND MAINTENANCE OF EQUIPMENT,
 INSTRUMENT FLYING PROCEDURES, AND DATA ANALYSIS
 AD-616765 N65-30630
 OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND
 CONTROLLED REENTRY VEHICLES
 NASA-CR-331 N65-36773
 BUNKER-RAMO CORP., SILVER SPRING, MD.
 COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC
 FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING -
 PILOT FACTORS PROGRAM
 REPT.-1-64 N65-21258
 BUREAU OF COMMERCIAL FISHERIES, ANN ARBOR,
 MICH.
 IRRADIATION PASTEURIZATION FOR PRESERVATION OF
 FRESH WATER FISH AND INLAND FRUITS AND
 VEGETABLES
 COO-1283-12 N65-19822

BUREAU OF COMMERCIAL FISHERIES, GLOUCESTER,
 MASS.
 RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
 DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
 PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
 FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
 TID-21600 N65-22094

BUREAU OF MINES, PITTSBURGH, PA.
 CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF
 METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF
 METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN
 PETROLEUM, POWER GENERATION, AND PRODUCTION
 BM-IC-8246 N65-13393

C

CALIFORNIA INST. OF TECH., PASADENA.
 LIQUID WASTES AND WATER POTABILITY IN SPACE
 VEHICLES N65-18590

BIOCOLOIDAL MATTER IN ATMOSPHERE
 N65-23987

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS
 OBISPO.
 HUMAN BLACK BOX - DATA OBTAINED WITH EXTERNAL
 EXCITATION AND FROM HUMAN AS SOURCE, AND
 NATURAL BEHAVIOR IN ENGINEERING TERMS
 N65-31241

CALIFORNIA UNIV., BERKELEY.
 HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
 ALGAE
 SERL-64-8 N65-12782

RESPONSE OF CAT TO STIMULATION IN OLFACTORY TRACT
 OF CEREBRAL CORTEX
 REPT.-64-1 N65-14471

SENSORY STIMULATION AS RELATED TO NUTRITION AND
 FOOD - APPETITE FACTOR N65-18584

RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
 FROM WASTE WATER - ALGAE CULTURING
 SERL-64-6 N65-19655

ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
 EXPLORATION OF MARTIAN SURFACE
 NASA-CR-57585 N65-20625

DETECTION AND STUDY OF MICROBIAL POPULATION IN
 UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE
 SAMPLING WITH ELECTROSTATIC PRECIPITATOR
 N65-23986

VIABILITY OF ORGANISMS UNDER CONTROLLED
 ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO
 NATURAL CONDITIONS N65-23998

BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE
 RATE DERIVED MATHEMATICALLY AND APPLIED TO
 SEMICONDUCTOR AND CANCER PROBLEMS - LIFE
 SURVIVAL TEST
 ORC-64-32/RR/ N65-24362

PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
 SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
 CATEGORIES
 ORC-65-4 N65-26585

HEMODYNAMIC EVALUATION OF PRIMATES BEFORE,
 DURING, AND AFTER LONG PERIODS OF WEIGHTLESSNESS
 IN EARTH-ORBITING SATELLITE N65-28758

ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND
 INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF
 HEMODYNAMIC AND METABOLIC PARAMETERS DURING
 PROLONGED WEIGHTLESSNESS
 NASA-CR-63915 N65-29147

BIOMECHANICS OF CORNEA - APPLICATION TO
 INTRAOCULAR PRESSURE MEASUREMENT
 NASA-CR-67160 N65-34461

BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
 EFFECTS IN ANIMALS AND MAN N65-34586

CALIFORNIA UNIV., BERKELEY. LAWRENCE
RADIATION LAB.HEALTH CHEMISTRY PROCEDURES FOR RADIOISOTOPE
SAFETY
UCRL-11700 N65-12830WATER GENERATION IN SPACE ENVIRONMENT - LUNAR
EXPLORATION N65-18582RADIATION DEPTH DOSE FROM INCIDENT ISOTROPIC FLUX
OF MONOENERGETIC PROTONS IN ARBITRARY SIZE
SPHERES WITH TISSUE-EQUIVALENT MATERIAL
UCRL-10980 N65-32064BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA
PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS
N65-34585PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS N65-34611

CALIFORNIA UNIV., DAVIS.

ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION N65-18592IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND
SHELF LIFE
UCD-34P80-2 N65-18999EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING
GROWTH PERIOD OF BEAGLE AND ITS RELATION TO
RADIUM 226 TOXICITY
UCD-472-112 N65-32350X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE
CAPACITY, AND LONGEVITY OF BEAGLE DOGS
UCD-472-111 N65-34324

CALIFORNIA UNIV., LA JOLLA.

SURVEY ON HUMAN VISUAL CAPABILITIES IN SPACE
FLIGHT
AD-606802 N65-11484CALIFORNIA UNIV., LIVERMORE. LAWRENCE
RADIATION LAB.MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE
UCRL-12389 N65-19461HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL
RESULTING FROM NEUTRON ACTIVATION OF SOIL BY
NUCLEAR EXPLOSION
UCRL-12339, VOL. I N65-22984BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF
RADIOIODINE ISOTOPE DOSAGE TO THYROID
UCRL-12492 N65-24727SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE
PROPAGATION AND TRANSCRIPTION, DUAL
TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM,
AND PROTOPLASM
UCRL-14254 N65-31001NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM
UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE
PROGRAM
UCRL-14249 N65-35020OXALOACETATE PROTECTION OF CITRATE CONDENSING
ENZYME FROM PALMITYL- CO A
UCRL-7896 N65-35526

CALIFORNIA UNIV., LOS ANGELES.

EFFECTS FROM CHRONIC EXPOSURE TO LOW LEVEL
IONIZING RADIATION ON DESERT ECOLOGICAL SYSTEM
UCLA-12-532 N65-10313BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS
EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE
AMRL-TDR-64-72 N65-12045STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY -
BIOPHYSICS AND NUCLEAR MEDICINE

UCLA-12-538 N65-14988

UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598NUCLEAR MEDICINE AND RADIATION BIOLOGY
UCLA-12-541 N65-17997UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING,
SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL
REPT.-64-30 N65-18929LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR
OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS
OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV
CHAINS OF SIGNALS
NASA-CR-57928 N65-21340TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS
IN X-RAY PROTECTION STUDY
UCLA-12-547 N65-21538CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL
EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS
UCLA-12-551 N65-21823PROTECTION AGAINST X²- AND GAMMA RADIATION IN
MICE PRETREATED WITH 2-AMINOETHYLISOTHIOURONIUM
BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE
CREATININE SULFATE AND IN NONTREATED MICE
UCLA-12-552 N65-21824NEUROLOGICAL FUNCTIONS - PATHOLOGY, PHYSIOLOGY,
PHARMACOLOGY, ENDOCRINOLOGY WITH GENERAL
CLINICAL AND BEHAVIORAL PATTERNS
NASA-CR-62354 N65-22165SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF
PLANTS FOR USE IN BIOSATELLITE
NASA-CR-62707 N65-23742BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY
PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN
OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND
ELECTROMYOGRAM CONTROL STUDIES
REPT.-65-14 N65-24004STATUS OF INTRODUCED PLANT SPECIES AT NEVADA
NUCLEAR TEST SITE - ECOLOGY
UCLA-12-554 N65-24228COMBINED RADIOACTIVE MATERIAL INHALATION AND
HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION
TECHNIQUE FOR LUNG SCANNING FOR PULMONARY
FUNCTION EVALUATION
UCLA-12-556 N65-24272MOOD, MOTILITY, AND 17-HYDROXYCORTICOID
EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT
NASA-CR-63785 N65-28097CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM
TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA
RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN
N65-28756SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762PARAMETERS FOR COMPUTER ANALYSIS OF
NEUROPHYSIOLOGICAL DATA USING EEG FROM
NORMATIVE LIBRARY N65-28766BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO
CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND
CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE
N65-28771CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL
PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE

PROGRAM	N65-28772	LIVERS OF MICE	N65-19212
BIOCHEMISTRY, RADIOBIOLOGY, PHARMACOLOGY, TOXICOLOGY, NUCLEAR MEDICINE, BIOPHYSICS, AND ENVIRONMENTAL RADIATION PUBLICATIONS UCLA-12-541	N65-31798	INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN RAT LIVERS	N65-19213
NEUROPHYSIOLOGICAL CEREBRAL CORRELATION MODEL OF INFORMATION TRANSACTIONS, AND INFORMATION STORAGE NASA-CR-64570	N65-32027	INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE	N65-19214
ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING NASA-CR-65018	N65-32718	DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE	N65-19215
SURVIVAL OF WINTER ANNUALS IN GROUND CONTAMINATED WITH NUCLEAR RADIATION UCLA-12-555	N65-32824	RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE	N65-19216
UPPER EXTREMITY PROSTHETICS - SENSORY MOTOR CONTROL - PERFORMANCE OF HUMAN OPERATORS OF TRACKING SYSTEMS - MYOELECTRIC CONTROL SYSTEMS REPT.-65-31	N65-34133	HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS, AND RABBITS	N65-19217
CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS AND NONCALCAREOUS SOIL TID-20741	N65-34316	RADIATION INDUCED CHANGES IN ADENOSINE TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO CHRONIC GAMMA IRRADIATION AND INFLUENCE OF VARIOUS FACTORS ON ACUTE RADIATION INJURY	N65-19218
CARNEGIE INST. OF TECH., PITTSBURGH, PA. GOAL DIFFICULTY EFFECT ON LEVEL OF HUMAN PERFORMANCE ONR-RM-135	N65-19626	INTEGRATED RESEARCH AND TRAINING IN SPACE MOLECULAR BIOLOGY - ELECTRON MICROSCOPE LABORATORY COMPLETION AND CORRELATED RESEARCH WITH ELECTRON DIFFRACTION NASA-CR-62879	N65-24674
CASE INST. OF TECH., CLEVELAND, OHIO. PATH OPTIMIZATION FOR NUMERICALLY CONTROLLED REMOTE MANIPULATOR - MAN-MACHINE SYSTEM NASA-CR-62878	N65-25002	ELECTRON MICROSCOPY AND ELECTRON OPTICS IN EXOBIOLOGY NASA-CR-62954	N65-24993
CATHOLIC UNIV. OF AMERICA, WASHINGTON, D. C. PREDICTING DECISION MAKING BEHAVIOR FROM PERSONALITY AND COGNITIVE VARIABLES ESD-TDR-64-619	N65-17012	MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE - MUSCULAR- SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT FEMALE CHIMPANZEE ARL-TR-65-3	N65-27544
CBS LABS., STAMFORD, CONN. COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL HELMETS CLD-1720	N65-19423	STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF ESCHERICHIA COLI NASA-CR-58980	N65-29416
CEDARS OF LEBANON HOSPITAL, LOS ANGELES, CALIF. PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED WITH HEART FUNCTION IN MAN AND DOGS NASA-CR-57145	N65-18490	POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN SPLEEN AND VENA CAVA OF MICE INJECTED WITH SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION SAM-TR-65-13	N65-30506
CENTRAL LAB. FOR RADIOLOGICAL PROTECTION, WARSAW /POLAND/. EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS IN ISOTOPE LABORATORIES IN POLAND CLOR-34	N65-22501	CINCINNATI UNIV., OHIO. SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING SKILL AMRL-MEMO-P-53	N65-11638
CHICAGO MEDICAL SCHOOL, ILL. BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL VIBRATION STRESS AMRL-TDR-64-58	N65-10467	CLARK /DAVID/ CO., INC., WORCESTER, MASS. LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR AEROSPACE ENVIRONMENT AMRL-MEMO-M-57	N65-11277
CHICAGO UNIV., ILL. ANIMAL STUDIES ON RADIATION EFFECTS, IRRADIATION EXPOSURE, AND USE OF THERAPEUTIC COMPOUNDS AS PROTECTIVE AGENTS AGAINST INJURY AD-607952	N65-11098	COLLEGE OF SOUTHERN UTAH, CEDAR CITY. X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO - COCKROACH, BLABERUS CRANIIFER TID-21877	N65-36506
ANALOG COMPUTER MECHANIZATION OF HODGKIN- HUXLEY EQUATIONS OF ACTION POTENTIALS FOR GIANT SQUID AXONS AD-608156	N65-11667	COLORADO STATE UNIV., FORT COLLINS. EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM	N65-16608
ADAPTIVE PATTERN RECOGNITION AND DETECTION, AND ANALYTICAL PROBLEMS INHERENT TO PERCEPTORS AD-608157	N65-15664	ELECTROENCEPHALOGRAM DURING ELECTROANESTHESIA	N65-16617
RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN AD-610947	N65-19211	TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART FUNCTION	N65-16625
EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN		PATHOGEN-FREE FOOD PLANTS IN MICROCOSM - HIGH INTENSITY LIGHT EFFECT ON PLANT GROWTH NASA-CR-50170	N65-17067
		COLORADO UNIV., BOULDER. ENGINEERING PROBLEMS IN MICROORGANISM CULTURE ON LARGE SCALE	N65-16628
		COLORADO UNIV., DENVER. LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS	N65-16624

- KINETIC MODELS OF PHYSIOLOGICAL SYSTEMS
N65-16627
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH SEA LEVEL NATIVES
AD-463110 N65-33244
- COLUMBIA UNIV., NEW YORK.
RADIOLOGICAL PHYSICS, BIOPHYSICS, AND RADIOBIOLOGY
NYO-2740-2 N65-28021
- COMMERCE DEPT., WASHINGTON, D. C.
ECONOMIC IMPACT OF PRESERVATION OF FOOD BY IRRADIATION - RADIATION STERILIZATION, PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- COMMISSARIAT A L ENERGIE ATOMIQUE, FONTENAY-AUX-ROSES /FRANCE/.
ENVIRONMENTAL AND FOOD CHAIN RADIOACTIVE CONTAMINATION LEVEL DETERMINATION
EUR-2107-F N65-21181
- COMMISSARIAT A L ENERGIE ATOMIQUE, SACLAY /FRANCE/.
ANATOMICAL AND PHYSIOLOGICAL SCHEMA OF GASTROINTESTINAL TRACT FOR DETERMINATION OF RADIOACTIVE CONTAMINATION LEVELS
CEA-R-2413 N65-32989
- CONNECTICUT AGRICULTURAL EXPERIMENT STATION, NEW HAVEN.
PLANT LEAVES FOR OXYGEN PRODUCTION IN SPACE CABIN ATMOSPHERE
NASA-CR-50295 N65-17071
- PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM
NASA-CR-55131 N65-17072
- PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED ECOLOGICAL SYSTEM
NASA-CR-60892 N65-17867
- CONSULTANTS AND DESIGNERS, INC., ARLINGTON, VA.
DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY DIFFERENT FLIGHT LENGTHS ON VOSTOK V
NASA-TT-F-9627 N65-15163
- CORNELL AERONAUTICAL LAB., INC., BUFFALO, N. Y.
OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME OF HUMAN PERFORMANCE
NASA-CR-170 N65-17326
- COX CORONARY HEART INST., DAYTON, OHIO.
USE OF TELEMETRY IN INTENSIVE-CARE WARDS
N65-34002
- CUTLER-HAMMER, INC., DEER PARK, N. Y.
RECOGNITION VALUES UNDER VARYING LEVELS OF IMAGE DEGRADATION
ESD-TDR-64-666 N65-18963
- CZECHOSLOVAK ACADEMY OF SCIENCES, PRAGUE.
REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER VARIOUS PHYSIOLOGICAL CONDITIONS
N65-29032
- D**
- DARTMOUTH COLL., HANOVER, N. H.
GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN ABSENCE OF GRAVITATIONAL EFFECTS
NASA-CR-53405 N65-15369
- DAVID TAYLOR MODEL BASIN, WASHINGTON, D. C.
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION OF LIMB STRUCTURE
DTMB-1810 N65-17039
- DEFENCE RESEARCH BOARD, OTTAWA /ONTARIO/.
CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS NOISE
T-411-R N65-15577
- METAL-CONTAINING ENZYME DAMAGE AS EVIDENCE OF BIOLOGICAL ACTION OF PENETRATING RADIATION
T-413-R N65-27930
- DEFENCE RESEARCH MEDICAL LABS., TORONTO /ONTARIO/.
FUNCTIONAL RELATIONSHIP BETWEEN CRITICAL FLICKER FREQUENCY OF TWO IDENTICAL INTERMITTENT TARGETS, BINOCULARLY SUPERIMPOSED, AND PHASE DIFFERENCE BETWEEN TARGETS
N65-27217
- DEFENSE ATOMIC SUPPORT AGENCY, WASHINGTON, D. C.
ORIENTATION ON NUCLEAR RADIATION, NUCLEAR SAFETY, AND EMERGENCY MEASURES
N65-15416
- DENVER RESEARCH INST., COLO.
REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE REMOVAL FROM MANNED SPACE CAPSULE
AMRL-TR-64-119 N65-20529
- DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.
ECONOMIC FEASIBILITY OF RADIATION PASTEURIZATION OF SELECTED PRODUCE COMMODITIES
TID-21628 N65-25879
- DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, BAD GODESBERG /WEST GERMANY/.
EFFECTS OF INCREASING PRESSURE OF VARYING DURATION ON RATS
ISL-2/64 N65-19833
- PSYCHOMOTOR TEST METHODOLOGY AND PRACTICABILITY FOR PERFORMANCE PROGNOSSES
DLR-FB-65-27 N65-33289
- DOUGLAS AIRCRAFT CO., INC., HUNTINGTON BEACH, CALIF.
HUMAN ENGINEERING DESIGN CRITERIA - OPERATIONAL ENVIRONMENT, SAFETY, CONTROL AND DISPLAY, DECISION MAKING, ANTHROPOMETRY, CLOTHING, AND MAINTAINABILITY
NASA-CR-60855 N65-17511
- DOUGLAS AIRCRAFT CO., INC., LONG BEACH, CALIF.
LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS AT LOW LEVELS OF ILLUMINATION - SUPERIORITY OF WHITE LIGHT OVER RED LIGHT DISPLAY IN DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344 N65-25675
- DOUGLAS AIRCRAFT CO., INC., SANTA MONICA, CALIF.
LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL SIMULATION
SM-47691 N65-17977
- DOW CHEMICAL CO., DENVER, COLO.
EVALUATIONS OF PLASTIC BADGES CONTAINING BETA, GAMMA, AND NUCLEAR TRACK FILM FOR USE IN PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333
- DUKE UNIV., DURHAM, N. C.
PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY SYSTEM BY ANALOG COMPUTER
AD-606521 N65-12246
- DUNLAP AND ASSOCIATES, INC., DARIEN, CONN.
MAN-COMPUTER SYSTEM FOR TARGET DISCRIMINATION PROBLEM SOLVING
AD-607520 N65-11817
- HUMAN FACTORS STUDY FOR DESIGN OF HANDHELD SEXTANT
ORD-64-133 N65-18678
- APPARENT MOVEMENT PHENOMENA ON CATHODE RAY TUBE DISPLAYS
NASA-CR-67527 N65-36429
- DYNAMIC SCIENCE CORP., SOUTH PASADENA, CALIF.
CULTURING TECHNIQUES FOR DETECTION OF VIABLE MICROORGANISM INOCULATED INTO SOLID MATERIALS
NASA-CR-62980 N65-24899

- EIDGENOSSISCHE TECHNISCHE HOCHSCHULE, ZURICH
/SWITZERLAND/.
X-RADIATION EXPOSURE OF DROSOPHILA MELANOGASTER
EGGS
REPT.-3521 N65-36707
- ELECTRO-VOICE, INC., BUCHANAN, MICH.
HELMETS, EARPHONES, AND MICROPHONES FOR FLYING
PERSONNEL
AD-461367 N65-26948
- NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING
LAUNCHING
AD-460990 N65-34383
- EVALUATION OF EXPERIMENTAL HEADSET IN HIGH
INTENSITY NOISE FIELD
AD-463731 N65-35296
- ELECTRONIC SYSTEMS DIV., BEDFORD, MASS.
INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL
ESD-TR-64-557 N65-21144
- EMORY UNIV., ATLANTA, GA.
EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674
- EUROPEAN ATOMIC ENERGY COMMUNITY,
BRUSSELS /BELGIUM/.
IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS,
OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY,
MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND
SPECTROPHOTOMETRY
EUR-2402.F N65-29855
- NICOTINAMIDE EFFECT ON X-RAY IRRADIATED
SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E N65-32144
- PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
ACID
EUR-1648.F N65-36376
- EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH,
GENEVA /SWITZERLAND/.
RADIOBIOLOGICAL PROBLEMS IN PROTECTION,
PREVENTION, AND THERAPY OF HIGH ENERGY RADIATION
INJURY
DI/HP/39 N65-14173
- F**
- FEDERAL AVIATION AGENCY, OKLAHOMA CITY, OKLA.
PHYSIOLOGICAL TESTS ON PILOTS OPERATING FLIGHT
SIMULATOR
AM-64-18 N65-15209
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING,
NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE
FAA-AM-64-16 N65-15308
- BILATERAL CALORIC HABITUATION ON NYSTAGMUS
RESPONSES ON CAT
AM-64-14 N65-15346
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR
BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION
AM-64-2 N65-16161
- RELATION BETWEEN PERCEIVED SIZE, RETINAL SIZE, AND
DEPTH PERCEPTION
AM-64-13 N65-16185
- EVALUATION OF TREADMILL AND GRADATIONAL STEP TEST
FOR ASSESSING CARDIORESPIRATORY CAPACITY
AM-64-3 N65-16215
- MECHANICALLY DRIVEN ANGULAR ACCELERATION DEVICE
USED AS VESTIBULAR STIMULATOR
AM-64-15 N65-16216
- HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7 N65-18409
- EFFECT OF MENTAL TASKS ON AUDITORY FATIGUE
AM-65-1 N65-18546
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE
TRANSLATIONS
AM-65-17 N65-26955
- ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO
AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION
AM-65-18 N65-26956
- FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT
PASSENGER SEAT CUSHIONS
N65-29755
- SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756
- FREE FALLS SURVIVED BY HUMANS IMPACTING WATER
ENVIRONMENTS UNDER HIGH VELOCITY
N65-29760
- BIOLOGICAL FATIGUE IN AIR SAFETY
AM-65-13 N65-29792
- MEDICAL RESEARCH - SURVIVAL OF HIGH VELOCITY FREE-
FALLS IN WATER BY INDIVIDUALS
AM-65-12 N65-30597
- PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE
IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND
CONSEQUENCES
AM-65-11 N65-33981
- PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT
BETWEEN OKLAHOMA CITY AND TOKYO
AM-65-16 N65-34020
- ADAPTATION TO VESTIBULAR DISORIENTATION -
NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY
ANGULAR ACCELERATION
AM-65-24 N65-34303
- TOLERANCES OF HUMAN FACE TO CRASH IMPACT
AM-65-20 N65-34678
- FEDERAL AVIATION AGENCY, WASHINGTON, D. C.
INVESTIGATION OF CARDIOVASCULAR, NEUROLOGICAL,
PULMONARY, VISION, AUDITORY, AND BIOCHEMICAL
SYSTEMS FOR STUDY OF AGING IN AVIATION PERSONNEL
AM-64-1 N65-15169
- ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE
AM-64-20 N65-20372
- FEDERAL RADIATION COUNCIL, WASHINGTON, D. C.
PROTECTIVE ACTION GUIDES FOR ENVIRONMENTAL
CONTAMINATION BY STRONTIUM 89, STRONTIUM 90,
AND CESIUM 137 - RADIATION PROTECTION STANDARDS
REPT.-7 N65-25882
- RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED
STRONTIUM 89, STRONTIUM 90, AND CESIUM 137
N65-28341
- FEDERATION OF AMERICAN SOCIETIES FOR
EXPERIMENTAL BIOLOGY, WASHINGTON, D. C.
BIOLOGY AND MEDICINE REFERENCE INFORMATION AND
DATA HANDBOOK
AMRL-TR-64-100 N65-15790
- FISH AND WILDLIFE SERVICE, SEATTLE, WASH.
RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY,
SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405 N65-24236
- FLORIDA STATE UNIV., TALLAHASSEE.
CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319
- PERIPHERAL MECHANISMS OF SKIN TEMPERATURE
PERCEPTION
NASA-CR-56192 N65-16429
- ELECTRON MICROGRAPHS OF THERMAL PROTEINOID
MICROSPHERES - BIOLOGICAL CELL MODEL
NASA-CR-52474 N65-16983
- CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS

- N65-18596
HUMAN SKIN SENSITIVITY TO TEMPERATURE DIFFERENCE
NASA-CR-57207 N65-18938
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION
NASA-CR-56268 N65-22180
- COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN
STRUCTURE AND FUNCTION OF COPPER ENZYMES
FSU-2690-21 N65-34320
- FLORIDA UNIV., GAINESVILLE.
EFFECT OF DIMERCAPTOPROPANOL ON TOXICITY OF OXYGEN
ON RATS AT SIX ATMOSPHERES PRESSURE
SAM-TR-65-11 N65-25203
- HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS
DURING HYPOXIA - ANIMAL STUDY
SAM-TR-64-78 N65-34068
- FLYING PERSONNEL RESEARCH COMMITTEE, LONDON
/ENGLAND/.
OXYGEN FOR CIVIL AIRCREW FOLLOWING LOSS OF CABIN
PRESSURIZATION
FPRC/MEMO-205 N65-12641
- IMMERSION EFFECT ON MEAN INTRAPULMONARY PRESSURE
FPRC/1220 N65-12843
- WHOLE BODY PLETHYSMOGRAPHY
FPRC/MEMO-204 N65-12897
- THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON
RETINA OF EYE BY RADIATION - MATHEMATICAL
THEORY
FPRC/1222 N65-23616
- FORDHAM UNIV., NEW YORK.
DECISION PROCESS, AND PHYSIOLOGICAL RESPONSE
SYSTEMS USED IN LIE DETECTION - INTERPRETATION
OF POLYGRAPHIC DATA
RADOC-TDR-64-101 N65-19993
- G**
- GAUSTAD MENTAL HOSPITAL, OSLO /NORWAY/.
NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA
COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND
REDUCTION OF DATA, AND PATTERN AND CORRELATION
ANALYSIS N65-28757
- GENERAL DYNAMICS/ASTRONAUTICS, SAN DIEGO,
CALIF.
INTEGRATION AND MECHANICS OF WASTE COLLECTION AND
PROCESSES FOR SPACECRAFT LIFE SUPPORT SYSTEM
N65-18589
- ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS
RELATED TO NUTRITION AND WASTE N65-18602
- GENERAL ELECTRIC CO., PHILADELPHIA, PA.
EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995
- BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE -
STUDY OF ELECTRODE MATERIALS AND LOCUS IN
VARIOUS LABORATORY ANIMALS
NASA-CR-60955 N65-17947
- BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS
ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN
RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279
- GENERAL MILLS, INC., MINNEAPOLIS, MINN.
SAMPLING AND IDENTIFICATION OF VIABLE
MICROORGANISMS IN STRATOSPHERE
NASA-CR-53951 N65-16493
- EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS
IN STRATOSPHERE
NASA-CR-52518 N65-16979
- GENERAL PRECISION, INC., GLENDALE, CALIF.
INTERNEURONAL TRANSFER FUNCTIONS AND FUNCTIONAL
RESPONSE CHARACTERISTICS OF BIOLOGICAL NERVE
CELLS
SAR-7 N65-32793
- GENERAL TECHNICAL SERVICES, INC., CLEVELAND,
OHIO.
APPLICATION OF DYNAMIC OSCILLATOR PRINCIPLES TO
BLOOD CIRCULATION CYCLE EFFECT ON HUMAN BODY
SURFACE TEMPERATURE REGULATION
NASA-CR-59990 N65-13861
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
SYSTEM AND OBSERVATIONS OF MAMMALIAN
MICROCIRCULATION
NASA-CR-67225 N65-35105
- GENERAL TECHNICAL SERVICES, INC., YEADON, PA.
INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE -
AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL,
CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS,
AND BEHAVIORAL ORGANIZATION
NASA-CR-219 N65-23813
- GENERAL TECHNOLOGIES CORP., ALEXANDRIA, VA.
IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR
RADIATION EXPOSURE CONTROL COUNTERMEASURES
RELATIVE TO VARIOUS POST-ATTACK CONDITIONS
GTC-54-63-64 N65-33623
- GEORGE WASHINGTON UNIV., WASHINGTON, D. C.
AERIAL GUNNERY, LOW LEVEL FLIGHT, AND NAVIGATION
TRAINING FOR HELICOPTER OPERATIONS
N65-15738
- RADAR TARGET DETECTION BY TRAINED AND UNTRAINED
OPERATORS
AD-455767 N65-16422
- SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS
DIRECTORY FOR FACILITATING EXCHANGE OF DATA,
IDEAS, AND INFORMATION
NASA-CR-53419 N65-16826
- PROGRAMMED INSTRUCTION AND LOW ALTITUDE AERIAL
OBSERVATION
HUMRRO-RR-14 N65-17468
- ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618
- SPACE BIOLOGY OF PLANTS AND ANIMALS - BIODYNAMICS
N65-20324
- FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING
DEVICES FOR FIXED PROCEDURES TASKS
TR-65-4 N65-30134
- QUALITY CONTROL SYSTEM IN MILITARY TRAINING
PROGRAM
TR-65-6 N65-33767
- EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION
AND FEASIBILITY OF USING DIRECT PERCEPTUAL
ESTIMATION TO DETERMINE ANGLES OF DRIFT
TR-65-8 N65-34684
- GERRY MOUNTAIN SPORTS, INC., DENVER, COLO.
COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL
AND REVIEW OF BODY HEAT CONTROL SYSTEM
N65-29768
- GOODYEAR AEROSPACE CORP., LITCHFIELD PARK,
ARIZ.
VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554
- GOTTINGEN UNIV. /WEST GERMANY/.
PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY
BLOOD FLOW
AMRL-TR-64-94 N65-19148
- PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC

- REACTIONS IN ISOLATED CHLOROPLASTS
AFCRL-65-550 N65-34185
- GRAFLEX, INC., ROCHESTER, N. Y.
FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED
PROGRAMMED INSTRUCTION
AMRL-TR-65-78 N65-30119
- FEASIBILITY OF MODULAR DESIGN FOR AUDIOVISUAL
AUTOINSTRUCTIONAL EQUIPMENT
AMRL-TR-65-79 N65-30136
- GRUMMAN AIRCRAFT ENGINEERING CORP., BETHPAGE,
N. Y.
EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO
MAKE CARRIER APPROACHES
NAVTRADEVCE-1432-1 N65-31080
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVCE-1432-1-S1 N65-35542
- RELATIONSHIP BETWEEN PERCEPTION ORIENTATION
AND COMPENSATORY TASK PERFORMANCE
RM-260J N65-36206
- GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL
RESEARCH.
ANNOTATED BIBLIOGRAPHY - HUMAN SCIENCES IN
INDUSTRY N65-13117
- HUMAN ENGINEERING - ANNOTATED BIBLIOGRAPHY
N65-13955
- HUMAN ENGINEERING IN INDUSTRY - ANNOTATED
BIBLIOGRAPHY N65-19805
- H**
- HANFORD ATOMIC PRODUCTS OPERATION, RICHLAND,
WASH.
RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605 N65-12939
- RADIATION EFFECTS IN MAN AND ANIMAL ORGANISM
HW-83613 N65-15860
- HARRY DIAMOND LABS., WASHINGTON, D. C.
PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF
AUTOMATIC RESPIRATORS
HDL-TM-64-23 N65-19416
- NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF
CIRCULATORY SYSTEM
HDL-TR-1244 N65-28236
- HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, MASS.
PROTEINS IN MANNED SPACE FLIGHT NUTRITION
N65-18579
- HARVARD UNIV., CAMBRIDGE, MASS.
ABSTRACTS ON PSYCHOPHYSICAL ASPECTS OF SENSORY
PERCEPTION - PSYCHOLOGY
PPM-106 N65-17365
- SATELLITES AND HIGH FLYING AIRCRAFT TO STUDY
CETACEANS AND OTHER LARGE MARINE ANIMALS -
OCEANOGRAPHY N65-30369
- HAWAII UNIV., HONOLULU.
ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- HAZLETON LABS., FALLS CHURCH, VA.
PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709 N65-16815
- HENRY FORD HOSPITAL, DETROIT, MICH.
STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND
OTHER PRIMATES AND USE OF EEG AS FATIGUE
- INDICATOR DETERMINED FROM PARTIAL SPACE CABIN
SIMULATION N65-28773
- HINE LABS., INC., SAN FRANCISCO, CALIF.
TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49 N65-30346
- ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48 N65-31081
- HONEYWELL, INC., BOSTON, MASS.
SAMPLING THEORY FOR HUMAN VISUAL SENSE
NASA-CR-60618 N65-16657
- HONEYWELL, INC., MINNEAPOLIS, MINN.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401
- HONEYWELL, INC., ST. PAUL, MINN.
VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY
INSTRUCTED TARGET CHARACTERISTICS
T-125 N65-36786
- HRB-SINGER, INC., STATE COLLEGE, PA.
INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTI-AIRCRAFT WARFARE
REPT.-567-R-2 N65-28334
- HUGHES AIRCRAFT CO., CULVER CITY, CALIF.
ANALYSIS OF PICTORIAL DISPLAY SYSTEMS
REPT.-2732.01/23 N65-19322
- HUGHES AIRCRAFT CO., FULLERTON, CALIF.
SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE
FR-65-10-30 N65-19352
- CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE
FR-65-11-44 N65-32223
- HUMAN FACTORS RESEARCH, INC., LOS ANGELES,
CALIF.
RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND
ADRENALINE AND NORADRENALINE CONCENTRATION IN
HUMAN PLASMA DURING VIGILANCE TASK
TR-750-5 N65-11250
- FACTORS INFLUENCING JUDGMENT OF HUMAN
PERFORMANCE - PSYCHOLOGY
TR-4 N65-13512
- INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT
TR-751-3 N65-15105
- PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3 N65-15728
- GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4 N65-34537
- HUMAN SCIENCES RESEARCH, INC., MCLEAN, VA.
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94 N65-10648
- VISUAL TARGET DETECTION - DEVELOPMENT OF AIR TO
GROUND DETECTION/IDENTIFICATION MODEL -
BIOTECHNOLOGY
HSR-RR-65/4-DT N65-35430
- I**
- IIT RESEARCH INST., CHICAGO, ILL.
GROWTH RESPONSE OF BACILLUS CEREUS AND SUBTILIS
CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT
WITH FREEZE CYCLES OF DIFFERENT DURATIONS
NASA-CR-62829 N65-24294
- EFFECTS OF DIFFERENT FREEZE CYCLES ON BACILLUS
CEREUS AND BACILLUS SUBTILIS IN SIMULATED
MARTIAN ENVIRONMENT

- NASA-CR-64577 N65-32032
- ILLINOIS UNIV., URBANA.
QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19 N65-14061
- FLATUS CARBON DIOXIDE PRODUCTION AT DECOMPRESSION
N65-16626
- HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED
SPACE FLIGHTS N65-18581
- DETECTION OF RATE CHANGES IN PERIODIC PROCESSES
CSL-R-235 N65-19410
- RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE
ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT
N65-23997
- IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY,
LONDON /ENGLAND/.
PHOTOSYNTHETIC MECHANISMS UNDER SUBOPTIMAL
CONDITIONS N65-20566
AFOSR-65-0056
- INDIA. DEPT. OF ATOMIC ENERGY, BOMBAY.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AET-AM-40 N65-30902
- PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON
TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
AET/HP/TH-21 N65-31022
- INDIANA UNIV., BLOOMINGTON.
COMPUTER PROGRAMMING AND INFORMATION RETRIEVAL FOR
LINGUISTIC TRANSFORMATIONAL ANALYSIS
RADC-TDR-64-200 N65-16009
- EXERCISE STIMULATION IN WARM AND COLD
ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION
EFFECTS ON SWEATING RATE
AD-446902 N65-21879
- VARIATION IN VISUAL AND AUDITORY STIMULATION
EFFECTS ON GASTROINTESTINAL MOTILITY
TR-12 N65-22946
- EFFECTS OF HIGH AND LOW LEVELS OF STIMULATION ON
GASTROINTESTINAL RESPONSE
TR-14 N65-22947
- INVESTIGATION OF PRESENCE OR ABSENCE OF VISION
DURING INVOLUNTARY SACCADIC EYE MOVEMENTS
UNDER CONDITIONS OF NORMAL STEADY FIXATION
AD-617409 N65-33012
- EFFECTS OF NONCONTIGUOUS INDUCING FIELDS UPON
RETINAL FLICKER FUSION FREQUENCY THRESHOLD
AD-618697 N65-34895
- INDUSTRIAL BIOLOGY RESEARCH AND TESTING LABS.,
INC., PHILADELPHIA, PA.
ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT,
GROSS SENSITIZATION INDEX, AND GROSS SKIN
TOXICITY OF DEVELOPMENT MATERIALS
AMRL-TR-64-120 N65-18967
- INNSBRUCK UNIV. /AUSTRIA/.
VISUAL PERCEPTION - ADAPTATION TO ARTIFICIAL
CHROMATIC DISTORTIONS AND NATURAL VISUAL DEFECTS
REPT.-1 N65-12731
- COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
FTR-1 N65-34419
- INSTITUTE FOR BEHAVIORAL RESEARCH, INC.,
COLLEGE PARK, MD.
HUMAN VISUAL PERCEPTION AND VISUAL BEHAVIOR
RESPONSES TO STIMULI
AD-455490 N65-21897
- INSTITUTE FOR PERCEPTION RVO-TNO, SOESTERBERG
/NETHERLANDS/.
CORTICAL CONTROL OF EYE MOVEMENTS AND VISUAL
THRESHOLD
AD-453155 N65-18000
- INSTITUTE FOR RESEARCH, STATE COLLEGE, PA.
SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND
MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC
ENERGY
REPT.-64-01 N65-12840
- INSTITUTE OF OCCUPATIONAL HEALTH, HELSINKI
/FINLAND/.
TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE
HEATING AND COOLING
AMRL-TR-64-131 N65-19154
- INSTITUTO DE NEUROLOGIA, MONTEVIDEO /URUGUAY/.
EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING
ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY
IN MAN
AFOSR-64-1841 N65-16752
- INSTITUTT FOR ATOMENERGI, KJELLER /NORWAY/.
CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN
BIOLOGICAL FLUIDS
KR-80 N65-30572
- INTELECTRON CORP., NEW YORK.
TRANSDERMAL HEARING SYSTEM USING MODULATED
ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND
PERCEPTION
ER-0038 N65-20959
- INTER-AMERICAN NUCLEAR ENERGY COMMISSION,
WASHINGTON, D. C.
NUCLEAR ENERGY APPLICATION TO BIOLOGICAL
SCIENCES - SYMPOSIUM N65-29883
- IONICS, INC., CAMBRIDGE, MASS.
RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE
PERMEATION
AMRL-TCR-64-73 N65-12040
- IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY,
AMES.
DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES
COO-1170-3 N65-24619
- ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS,
LTD., JERUSALEM.
PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203 N65-28817
- ISTITUTO SUPERIORE DI SANITA, ROME /ITALY/.
ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024
PRINTING CARD PUNCH APPARATUS
ISS-64/39 N65-19607
- CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
RIBONUCLEIC ACID IN BACILLUS
ISS-64/48 N65-23306
- INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEAROTHERMOPHILUS
ISS-64/47 N65-29209
- ITEK CORP., PALO ALTO, CALIF.
ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER
HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149
- J
- JET PROPULSION LAB., CALIF. INST. OF TECH.,
PASADENA.
BIOINSTRUMENTATION FOR PLANETARY LANDING SPACE
CAPSULE N65-16609
- BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL
ANALYSIS OF PLANETARY SURFACE N65-16610
- ATMOSPHERIC COLLECTION OF MICROORGANISMS USING
SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE
N65-24000

CORPORATE SOURCE INDEX

JOINT PUBLICATIONS RESEARCH SERVICE

JOHN B. PIERCE FOUNDATION OF CONNECTICUT, NEW HAVEN.

SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING
EXPOSURE TO INTENSE THERMAL RADIATION
DASA-1566 N65-28921

SPATIAL SUMMATION OF PAIN FOR LARGE BODY AREAS
USING HIGH INTENSITY INFRARED RADIATION
DASA-1568 N65-29159

JOINT PUBLICATIONS RESEARCH SERVICE,
WASHINGTON, D. C.

INDUSTRIAL TOXICOLOGY - VANADIUM SMELTING,
BERYLLIUM LEVEL IN BIOLOGICAL MEDIA, AND
CONCENTRATIONS OF TOXIC SUBSTANCE IN AIR
JPRS-27282 N65-10034

HUMAN REACTIONS IN PRESSURIZED CABIN IN SIMULATED
SPACE ENVIRONMENT AND IN ARTIFICIAL ATMOSPHERE
DURING PROLONGED SPACE FLIGHT
JPRS-27286 N65-10035

STATISTICAL MODEL OF ELECTROENCEPHALOGRAM
JPRS-27324 N65-10036

ELECTROENCEPHALOGRAPHIC DATA PROCESSING AND DATA
ACQUISITION
JPRS-27337 N65-10037

CHEMICAL PROPHYLAXIS EFFECTS ON RADIATION
RESISTANCE AND TOLERANCE IN HUMAN AND ANIMALS
JPRS-27227 N65-10039

RADIATION HAZARDS AND BIOLOGICAL EFFECTS ON
CENTRAL NERVOUS SYSTEM IN INDUSTRY AND
STANDARDIZATION OF RADIOACTIVE SUBSTANCES
JPRS-27032 N65-10120

OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS N65-10121

BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM
PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES
N65-10122

RADIATION HAZARDS IN HANDLING CRUDE STOCKS AND RAW
MATERIALS CONTAINING RADIOACTIVE MATERIAL
N65-10123

STANDARDIZATION OF RADIOACTIVE SUBSTANCES
N65-10124

CHEMICAL ANTIRADIATION PROTECTION AND HYGIENIC
STANDARDIZATION OF IONIZING RADIATION
N65-10125

MEDICAL INVESTIGATIONS OF CIRCULATION, NERVOUS,
AND DIGESTIVE SYSTEMS IN HEALTHY AND DISEASED
HUMANS AND ANIMALS
JPRS-27178 N65-10212

INFLUENCE OF BLOODLETTING ON BONE MARROW FUNCTION
DURING RADIATION SICKNESS
JPRS-27293 N65-10306

SUPERIORITY OF AGRICULTURAL AIRCRAFT OVER GROUND
SPRAYING APPARATUS
JPRS-27161 N65-10337

TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON
IRRADIATION ON RATS
JPRS-27343 N65-10653

REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT
JPRS-27591 N65-10989

ROENTGEN AND GAMMA RADIATION DOSAGE MEASUREMENT
FOR RADIATION THERAPY
JPRS-27527 N65-11232

ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF
CESIUM 134 FROM ANIMALS
N65-11249

ANABiotic LIFE PROCESSES APPLIED TO EXTENDED SPACE
FLIGHTS
JPRS-27540 N65-11264

INDUSTRIAL SAFETY, HYGIENE, AND SANITATION STUDIES
JPRS-27200 N65-11459

TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST
ON WHITE RATS N65-11460

CORRELATION ANALYSIS OF ELECTROENCEPHALOGRAM
/EEG/ OF MAN, AND CHANGES IN EEG AND CUTANEOUS
GALVANIC REACTION DURING FORMATION OF
CONDITIONED REFLEX
JPRS-27677 N65-11516

NOISE LEVEL EFFECTS ON HUMAN HEARING SENSITIVITY
JPRS-27559 N65-11933

BIONICS - BASIC PROBLEMS AND TECHNOLOGY
JPRS-27635 N65-12055

DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR
NEUTRON SOURCES - POLONIUM AND RADIUM
JPRS-27625 N65-12074

AERONAUTICAL TRAINING AND MILDEW PREVENTION IN
CHINA
JPRS-27506 N65-12183

PROTECTION, SOURCES, AND DOSIMETRY OF RADIOACTIVE
CONTAMINATION IN HUMAN BODY AND ENVIRONMENT
JPRS-27535 N65-12626

NATURAL GAMMA RADIATION SOURCES AND RADIOACTIVE
ISOTOPES N65-12627

RADIATION DOSAGE FOR HUMAN ORGANS AND TISSUES
N65-12628

RADIOACTIVE CONTAMINATION IN STABLE ELEMENTS OF
HUMAN BODY AND ENVIRONMENT N65-12629

EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819 N65-12662

RADIO TELEMETRIC STUDIES IN MEDICINE AND
PHYSIOLOGY
JPRS-27600 N65-12732

BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733

PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT N65-12734

TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION N65-12735

INTERACTION OF VERBAL SIGNAL WITH DIRECT SIGNAL
ANALYZED FOR SIMPLE AND COMPLICATED REACTIONS
AND RELATED TO REACTION TIME IN HUMAN BEHAVIOR
JPRS-27879 N65-12770

AUTOMATION PROBLEMS IN BIOPHYSICS
JPRS-27785 N65-12785

SOLAR ACTIVITY EFFECT ON PHYSIOLOGICAL AND
BIOLOGICAL PHENOMENA
JPRS-27563 N65-12870

ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NATURE OF
STANDING IN MAN
JPRS-27841 N65-12874

HUMAN BEHAVIOR IN SPACE VEHICLE
JPRS-27880 N65-12875

AVIATION MEDICINE - SPACE SCIENCE
JPRS-27883 N65-12931

STRUCTURE AND FUNCTION OF CENTRAL NERVOUS SYSTEM
AND MECHANISMS OF BRAIN ACTIVITY
JPRS-27947 N65-13398

ENVIRONMENTAL PHYSIOLOGY AND TOXICOLOGY - SPACE
FLIGHT AND SUBMARINE MEDICINE
JPRS-27767 N65-13417

PROGNOSES FOR DEVELOPMENT OF SCIENCE, ORGANIZATION
AND LOCALIZATION OF BRAIN FUNCTION, AND TOTALITY

IN LIGHT OF CYBERNETICS - PHILOSOPHICAL PROBLEMS IN SCIENCE JPRS-28029	N65-13509	BIOCHEMISTRY AND RADIATION IMMUNOLOGY JPRS-28016	N65-15666
CHANGES IN NERVOUS SYSTEM IN VERTIGO AND AFTER TERMINAL CONDITIONS JPRS-28177	N65-13863	RADIATION IMMUNOLOGY	N65-15667
MEDICAL PROBLEMS IN SPACE TRAVEL - AEROSPACE MEDICINE JPRS-28113	N65-14157	RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON ANIMAL ORGANISMS JPRS-28405	N65-15676
MOLECULAR BIOLOGY - CHEMICAL MUTAGENESIS IN BACTERIOPHAGE AND GENETIC REGULATION OF PROTEIN BIOSYNTHESIS IN MICROORGANISMS JPRS-28187	N65-14164	CYTOPHYSIOLOGICAL AND BIOCHEMICAL INVESTIGATIONS OF MICROORGANISMS DURING RESTORATION FOLLOWING RADIATION INJURY	N65-15677
ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN PHYSIOLOGY JPRS-28225	N65-14261	CHANGES ARISING IN PLANTS AFTER EXPOSURE TO IONIZING RADIATION	N65-15678
NEUROPHYSIOLOGY AND ECOLOGY - PROBLEMS IN CYBERNETICS JPRS-27792	N65-14578	EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION OF ORGANISM	N65-15679
MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN NEURAL PROCESSES OF EXCITATION AND INHIBITION	N65-14579	BIOELECTRIC APPARATUS JPRS-27112	N65-15719
RELATION OF LIVING ORGANISMS AND INERT MATTER WITHIN BIOSPHERE - ECOLOGY	N65-14580	ELECTROMYOGRAPH FOR RECORDING OF ELECTRICAL MUSCLE DISCHARGE	N65-15720
NEUROPHYSIOLOGICAL PROCESSES OF REGULATION, INSPECTION, AND CONTROL	N65-14581	ELECTRONARCOSIS	N65-15721
MEDICAL, PHYSIOLOGICAL, AND BIOLOGICAL RESEARCH ON VOSKHOD AND VOSTOK SPACECRAFT JPRS-27925	N65-14598	ELECTROPHORESIS - DISPLACEMENT OF PARTICLES IN COARSE SUSPENSIONS UNDER INFLUENCE OF EXTERNAL ELECTRIC FIELD	N65-15722
MEDICAL AND PHYSIOLOGICAL RESEARCH DURING MANNED FLIGHTS ABOARD VOSKHOD AND VOSTOK SPACECRAFT	N65-14599	ELECTROENCEPHALOGRAPH - INSTRUMENT FOR RECORDING ELECTRIC ACTIVITY OF BRAIN	N65-15723
BIOLOGICAL TESTS ON VOSKHOD AND VOSTOK SPACECRAFT DURING SPACE FLIGHT	N65-14600	ELECTROENCEPHALOGRAPHY	N65-15724
ULTRASONICS IN MEDICINE JPRS-28255	N65-14709	ELECTROENCEPHALOSCOPE - INSTRUMENT FOR OBSERVING ELECTRIC ACTIVITY OF BRAIN ON CATHODE RAY TUBE	N65-15725
INDIVIDUAL DIFFERENCES IN ACROBATIC ACTIVITY - CONSIDERATIONS IN TEACHING AND TRAINING EXERCISES JPRS-28276	N65-14710	VISUAL FUNCTION AND ACUITY IN SPACE FLIGHT JPRS-28646	N65-15867
HUMAN VISUAL ANALYZER AND ELECTRONIC MODEL OF HEART - BIOPHYSICS AND PSYCHOLOGY JPRS-28234	N65-14747	BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND PSYCHIC DISEASES JPRS-28527	N65-15872
NEURODYNAMICS OF HUMAN AUDITORY SYSTEM JPRS-28308	N65-14748	OXYGEN STARVATION AND ACCELERATION EFFECT ON CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS IN BRAIN TISSUE JPRS-28630	N65-16136
SPACE MEDICINE IN U.S.S.R. JPRS-28417	N65-15036	VIBRATION EFFECTS ON HUMANS AND ANIMALS, OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES, VIBRATION ABSORBERS FOR WORKER PROTECTION, AND FREON GAS TOXICOLOGY JPRS-28721	N65-16207
PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM OF ANIMALS - NEUROPHYSIOLOGY JPRS-28419	N65-15045	BIONICS EXTENDED BEYOND CONTEMPORARY SPECIES TO INCLUDE EXTINCT ANIMALS - ANIMAL ANALOGIES FOR TECHNOLOGICAL SYSTEMS	N65-16513
SPACE FLIGHT PHYSIOLOGY, PSYCHOLOGY, AND PERSONAL HYGIENE JPRS-28183	N65-15171	ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NERVOUS SYSTEM JPRS-28687	N65-16726
GROUP SPACE FLIGHT PSYCHOLOGY	N65-15172	ORIGIN OF CEREBRAL CORTEX RHYTHMICITY AND ANALYSIS OF ELECTROENCEPHALOGRAM	N65-16728
PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN SKIN AND ITS INFLUENCE ON VITAL PROCESSES	N65-15173	ELECTROMYOGRAPHY - METHOD FOR STUDYING NORMAL AND PATHOLOGICAL FUNCTIONAL STATES OF NEUROPHYSIOLOGY	N65-16729
CHARACTERISTICS OF ALKALOIDS ISOLATED FROM VINCA ROSEA LINN JPRS-28448	N65-15352	AUTOMATIC FREQUENCY ANALYSIS AND MEASUREMENT OF BIOELECTRIC POTENTIALS	N65-16730
GRAVITATIONAL STRESS EFFECT ON ARTERIAL WALL JPRS-28476	N65-15353	PHYSICO-CHEMICAL CHANGES IN ERYTHROCYTES DURING HEATING, AND IRRADIATED ANIMAL SPLEEN TISSUE ELECTRIC CONDUCTIVITY JPRS-28782	N65-17025
STRESS FACTORS FOUND IN 120 DAY SEALED CHAMBER TESTS JPRS-28490	N65-15355	GAS EXCHANGE THROUGH HUMAN SKIN AND ITS IMPORTANCE TO HUMAN BODY JPRS-28923	N65-17303
		HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED SENSORY STIMULATION JPRS-28929	N65-17304

- CYBERNETICS - PHILOSOPHY AND SOCIOLOGY
JPRS-22814 N65-17310
- APPLICATIONS OF FISH MORPHOLOGY TO AIRCRAFT AND
SHIP DESIGN
JPRS-28910 N65-17492
- CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN
EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN
TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING
BY RADIO OF PULSE WAVE DIFFUSION SPEED
JPRS-28549 N65-17722
- PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY
JPRS-28724 N65-17744
- ADAPTATION TO HYPOXIA AND HIGH ALTITUDE
ACCLIMATIZATION N65-17745
- STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO
EFFECTS OF ACCELERATION N65-17746
- ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL
CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING
ACTION OF HYDRAZINE DERIVATIVES N65-17747
- TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC
VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM
IRRADIATED RATS
JPRS-28981 N65-17890
- PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS
USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL
THERMODYNAMICS
JPRS-28949 N65-17978
- CELLULAR MODEL OF CYBERNETIC SYSTEM BASED ON
MORPHOLOGICAL AND BIOCHEMICAL STRUCTURE AND
FUNCTION
JPRS-28974 N65-17986
- INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES
JPRS-28951 N65-18027
- METHODS, FUNCTIONAL NATURE, AND DIALECTICS OF
FUNCTION AND STRUCTURE IN CYBERNETIC MODELING
JPRS-29053 N65-18365
- BIONICS - SCIENCE APPLYING BIOLOGICAL KNOWLEDGE TO
SOLUTION OF ENGINEERING PROBLEMS
JPRS-29090 N65-18408
- BIOASTRONAUTICS - PREPARATIONS FOR SPACE FLIGHTS,
WEIGHTLESSNESS, AND LIFE SUPPORT SYSTEMS IN
MEDICOBIOLOGY
JPRS-29069 N65-18784
- PROLONGED STAY IN PRESSURIZED CHAMBER IN
PREPARATION FOR SPACE FLIGHT - LABORATORY
EXPERIMENTS N65-18785
- WEIGHTLESSNESS THEORY FOR LUNAR AND INTERPLANETARY
FLIGHTS N65-18786
- MEDICOBIOLOGICAL SUPPORT OF PROLONGED SPACE FLIGHT
N65-18787
- DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH
HUMAN SKIN SURFACE
JPRS-29142 N65-19326
- MACHINES AND VISUAL AIDS IN TEACHING
JPRS-29204 N65-19327
- DEVICE FOR SIMULTANEOUS RECORDING OF HUMAN MOTOR
AND SPEECH RESPONSE PARAMETERS
JPRS-29057 N65-19401
- RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282 N65-19472
- SELECTION OF COMPATIBLE CREW FOR INTERPLANETARY
SPACE FLIGHT - PSYCHOLOGY
JPRS-29217 N65-19540
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON
ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR
REACTION TO CORIOLIS ACCELERATION, AND EFFECT
OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156 N65-19645
- EFFECT OF INDUSTRIAL NOISES ON HUMAN ORGANISM, AND
SANITARY PROTECTION OF AIR
JPRS-29216 N65-19664
- RADIATION INJURIES AND RESTORATIVE PROCESSES IN
CENTRAL NERVOUS SYSTEM OF MAMMALS
JPRS-29288 N65-19665
- HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES
CURING HYPOXIC HYPOXIA
JPRS-28921 N65-19810
- ARTIFICIAL GRAVITY AND MENTAL EXERCISE FOR CREW ON
LONG DURATION SPACE FLIGHT
JPRS-29211 N65-20095
- PROSPECTIVE USES OF CONVERTING INVISIBLE AREAS OF
ELECTROMAGNETIC SPECTRUM TO VISIBLE SPECTRUM
RANGE
JPRS-29212 N65-20096
- NEUROCYBERNETICS - ARTIFICIAL INTELLIGENCE
JPRS-29267 N65-20098
- MECHANISMS OF TROPHIC FUNCTION OF NERVOUS SYSTEM
AND ROLE IN NUTRITION REGULATION
JPRS-29303 N65-20099
- REGULATION OF VITAL FUNCTIONS AND CYBERNETICS -
MEDICAL APPLICATIONS
JPRS-29330 N65-20100
- SOIL-PLANT TRACE ELEMENTS, AGRICULTURE, ELECTRIC
RESISTANCE OF IRRADIATED SPLEEN, SALMON TROUT,
NITROUS AND CARBOHYDRATES IN PLANTS - SELECTED
BIOLOGICAL STUDIES
JPRS-29112 N65-20132
- ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE
OF IRRADIATED ANIMALS - ANIMAL STUDY N65-20133
- SURVEY OF DRUGS FOR PROTECTION FROM IONIZING
RADIATION N65-20138
- NYSTAGMUS IN RABBITS, IONIZING RADIATION OF
HYPOTHALAMUS, MITOTIC ACTIVITY IN LIVER
REGENERATION, BONE MARROW TRANSPLANTATION IN
RATS, AND EXTREMITIES TRANSPLANTATION IN DOGS
JPRS-29250 N65-20139
- RATE OF NYSTAGMIC FAST COMPONENT PRODUCED BY
RHYTHMIC ELECTRICAL STIMULATION OF AMPULLAR
RECEPTOR N65-20140
- EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF
NUCLEI IN HYPOTHALAMIC AREA OF RABBITS N65-20141
- DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING
LIVER DURING ACUTE RADIATION SICKNESS IN RATS
N65-20142
- STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588
- RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION
INJURY DURING IRRADIATION OF VARIOUS PARTS OF
HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF
ACUTE RADIATION SICKNESS
JPRS-29410 N65-20599
- RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828
- PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT
ON HUMAN ORGANISMS
JPRS-29433 N65-20829
- NEW FRONTIERS OF SPACE MEDICINE AND SCIENCE
JPRS-29456 N65-20831
- DIFFERENTIATED INHIBITION LIMITS BY GRADUAL

INCREASE IN PHYSICAL STRENGTH OF INHIBITORY
STIMULATION USING SALIVARY ALIMENTARY
CONDITIONED REFLEX
JPRS-29461 N65-20832

THERMAL TRAUMA EFFECT AND PATHOGENESIS OF BURN
SHOCK, HYPERTHERMIA, AND HYPOTHERMIA - BURN
INJURY PATHOLOGY
JPRS-29494 N65-20833

INSTRUMENTAL METHODS OF INVESTIGATION AND
OBSERVATIONS OF SPACECREW DURING EARTH ORBIT
JPRS-29521 N65-20834

ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
JPRS-29435 N65-20835

PERIODICITY OF CONDITIONAL FUGITIVE REFLEX -
CYBERNETICS
N65-21091

DISINHIBITION OF SUPRALIMINAL INHIBITION BY
EXTERNAL STIMULI
JPRS-29460 N65-21092

SCIENTIFIC PROGRESS THROUGH BIOCHEMISTRY,
PHYSIOLOGY, BIOPHYSICS, AND RADIOBIOLOGY
JPRS-29292 N65-21236

SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237

SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO
VESTIBULAR STIMULATION DURING ROTATION
JPRS-29571 N65-21363

USE OF FREE PHAGE AND SYSTEM PHAGE-BACTERIUM IN
STUDYING BIOLOGICAL EFFECT OF IONIZING RADIATION
JPRS-29606 N65-21570

MAXIMUM PERMISSIBLE CONCENTRATION OF INDUSTRIAL
DUST STANDARDIZATION PROBLEM
JPRS-29693 N65-21572

EFFECT OF VARIOUS RADIO FREQUENCIES ON CLINICAL
SYNDROMES - MEDICINE
JPRS-29694 N65-21573

WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN
REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY
JPRS-29743 N65-21711

PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE
AND SPACE RADIATION HAZARDS
JPRS-29656 N65-21804

COLLECTIVE MONOGRAPH OF U.S.S.R. RESEARCH IN
CYBERNETICS COVERING PHILOSOPHICAL, BIOLOGICAL,
PSYCHOLOGICAL, AND MATHEMATICAL ASPECTS
JPRS-29764 N65-21882

RELATION BETWEEN SYSTEMIC BLOOD PRESSURE AND
INTRAOCULAR PRESSURE
JPRS-29756 N65-22112

ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS
UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC
STUDIES
JPRS-29757 N65-22113

CYBERNETIC MACHINES IN MEDICINE - ELECTRONIC
COMPUTERS FOR DIAGNOSIS OF DISEASES
JPRS-29799 N65-22115

BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS
RESULTING FROM VOSKHOV MANNED SPACE FLIGHT
JPRS-29800 N65-22116

MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIOELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120

VIABILITY OF DIPHTHERIA BACTERIA IN WATER AND
SALIVA - EFFECTS OF EVAPORATION, PARTICLE SIZE,
AND TEMPERATURE
JPRS-29840 N65-22121

MEDICAL DEVELOPMENTS IN CLINICAL DIAGNOSIS BY
COMPUTER, GAS EXCHANGE DURING RADIATION
SICKNESS, AND PHYSIOLOGICAL RESPONSE TO ARCTIC
ENVIRONMENT
JPRS-29788 N65-22728

CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER -
CYBERNETICS
N65-22729

OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE
DURING RADIATION SICKNESS
N65-22730

PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT
N65-22731

LIMITATIONS OF SHORT WAVE RADIO TRANSMISSION
FREQUENCIES WITH RESPECT TO ABSORPTION FOR RADIO
SIGNAL TRACKING AT VARIOUS LATITUDES
N65-22877

REPARATIVE REGENERATION OF VARIOUS TISSUES OF
ANIMALS UNDER EFFECT OF IONIZING RADIATION
JPRS-29904 N65-23052

OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOV MANNED SPACECRAFT
JPRS-29911 N65-23053

NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL,
PHYSICAL AND CHEMICAL MATTER, AND PHYSICS,
CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND
METHODS IN EXPLORING LIFE PHENOMENA
JPRS-29864 N65-23144

TOXICITY OF PETROLEUM AEROSOL AND ALIPHATIC AMINES
IN INDUSTRY
JPRS-29913 N65-23145

EXISTENCE OF EXTRATERRESTRIAL LIFE BASED ON DATA
FROM ASTRONOMY, GEOCHEMISTRY AND BIOLOGY
JPRS-29591 N65-23321

DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS
N65-23364

SCIENCE AND TECHNOLOGY IN COMMUNIST CHINA -
FIELD THEORY, ORGANIC CHEMISTRY, AND PHYSIOLOGY
JPRS-29641 N65-23371

ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY
ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN
TRAPEZOID NUCLEUS OF RABBIT MEDULLA
N65-23373

ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE
N65-23374

CLINICOPHYSIOLOGICAL ASPECTS OF MEDICAL PROGRAM
AND SPACECREW REACTION STUDIED BY PHYSICIAN ON
INTERPLANETARY FLIGHT AND SEISMOCARDIOLOGICAL
DATA
JPRS-29795 N65-23422

CLINICAL ASPECTS OF MEDICAL PROGRAM FOR
INTERPLANETARY FLIGHT WITH PHYSICIAN IN
SPACECREW
N65-23423

CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL
HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND
VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC
DATA
N65-23424

GRAVITATION EFFECT ON NERVOUS SYSTEM DURING SPACE
FLIGHT, AND EFFECTS OF AGE, SOUND, AND PHOTIC
STIMULI ON ARTERIOSCLEROSIS AND ROLE OF NERVOUS
SYSTEM IN PATHOGENESIS
JPRS-29666 N65-23443

GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM
ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION
N65-23444

EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC
STIMULI ON DEVELOPMENT OF NUTRITIONAL
CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL

NERVOUS SYSTEM IN PATHOGENESIS	N65-23445	PHYSIOLOGY OF FLYING - MEDICINE	N65-24732
TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY AND RADIOPROBE FOR DETECTING FOREIGN BODIES	N65-23446	JPRS-29953	
TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON UNIVERSAL POWER SUPPLY	N65-23447	PHYSIOLOGY OF FLYING	N65-24733
RADIOPROBE FOR DETECTION OF FOREIGN BODIES	N65-23448	AUTOSUGGESTION EXPERIMENTS, AND EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT	N65-24736
LIVING ORGANISMS AND FUNCTIONS OF SENSORY ORGANS - PERCEPTION AND STIMULATION IN EXTERNAL ENVIRONMENT	N65-23775	JPRS-30083	
INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD - STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND TRACING PHENOL CONTENT IN AIR	N65-23776	EFFECTS OF WEIGHTLESSNESS ON HUMANS DURING AND AFTER SPACE FLIGHT	N65-24737
JPRS-29744		MEDICO-BIOLOGICAL STUDIES OF FLIGHT CONDITIONS AND TRAINING - GRAVITY LOAD, WEIGHTLESSNESS, FLIGHT SIMULATION	N65-24861
MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY, AND SPACE SUITS - U.S.S.R. SPACE PROGRAM	N65-23777	JPRS-29999	
MATHEMATICS, BIONICS, BIOPHYSICS, AND CYBERNETICS FOR DEVELOPMENT OF BIOLOGICAL MODELS	N65-24064	HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS	N65-24862
JPRS-30177		FLIGHT CONDITION SIMULATION FOR PRECISION TRAINING OF PILOTS	N65-24863
ELECTRONIC MEASURING APPARATUS TO DIAGNOSE STOMACH DISORDERS, ADRENAL CORTEX CONDITION IN CARDIOVASCULAR AND METABOLIC DISORDER, AND HORMONE CONCENTRATIONS	N65-24065	PHYSIOLOGY - HUMAN AGING AND LONGEVITY, CYBERNETICS, X-RAY IRRADIATION EFFECT, AND OXYGEN PRESSURE DETERMINATION - SCIENTIFIC CONFERENCE REPORTS	N65-24875
JPRS-30182		JPRS-30099	
SELECTED ARTICLES ON EXPERIMENTAL BIOLOGY AND MEDICINE	N65-24227	THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL FACTORS WHICH AFFECT THERMOREGULATION - STUDIES USING LAWS OF CYBERNETICS	N65-24876
JPRS-29980		RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF DIGESTIVE SYSTEM TO X-RAY IRRADIATION	N65-24877
ELECTROPHYSIOLOGY OF CONDITIONED REFLEXES AND DRUG ACTION ON BRAIN, LOCALIZATION OF CONDITIONED INHIBITION PRODUCED BY HYPNOSIS, AND MODELING FUNCTIONS OF NERVOUS SYSTEM	N65-24230	SCIENTIFIC CONFERENCE - POLAROGRAPHIC DETERMINATION OF OXYGEN METABOLISM IN TISSUES	N65-24878
JPRS-30007		COMMUNIST CHINA SCIENCE AND TECHNOLOGICAL REPORTS - ORAL CONTRACEPTIVE STEROIDS, SECONDARY ELECTRON, ENTOMOLOGY, SCHISTOSOMIASIS PREVENTION, AND DRUG TREATMENT	N65-24887
ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN MENTAL PROCESS AND LEARNING SYSTEM	N65-24231	JPRS-30299	
JPRS-30156		BURN SHOCK AND CYBERNETICS, ARTIFICIAL BLOOD CIRCULATION, AND 20-CATHODE MULTIPOLAROGRAPH	N65-24889
INFLUENCE OF IONIZING RADIATION ON ORIGIN AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY	N65-24315	JPRS-30405	
JPRS-30161		PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY AUTOMATIC CONTROL PROCESSES	N65-24890
BIOTECHNOLOGICAL PROBLEMS ASSOCIATED WITH EXTRAVEHICULAR ACTIVITY IN SPACE	N65-24348	BODY AND BLOOD TEMPERATURE CHANGES IN PATIENTS UNDER CONDITIONS OF ARTIFICIAL BLOOD CIRCULATION WITH MODERATE HYPOTHERMIA	N65-24891
JPRS-30152		20-CATHODE MULTIPOLAROGRAPH INSTRUMENTATION AND BIOLOGICAL APPLICATIONS	N65-24892
EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE, OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER SOCIAL ISOLATION AND SENSORY DEPRIVATION - PSYCHOPATHOLOGY	N65-24349	METHODS FOR RAPID AND ACCURATE DETERMINATION OF AIR POLLUTION AND BIOLOGICAL EFFECT ON MAN	N65-24938
JPRS-30158		JPRS-30241	
ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS	N65-24351	CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL EFFECT OF SMALL CONCENTRATION ON MAN	N65-24939
JPRS-30214		STABILITY OF TEMPERATURE REACTION AND CHANGES IN OXIDATION PROCESSES DURING CHILLING IN HUMANS ADAPTED AND NOT ADAPTED TO COLD	N65-24940
DISEASE OF CARDIOVASCULAR AND DIGESTIVE SYSTEMS - HUMAN PATHOLOGY AND CLINICAL MEDICINE	N65-24435	FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION OF AIR AND FREQUENCY OF AIR EXCHANGE IN IRRADIATION CHAMBERS	N65-24941
JPRS-30288		PROTECTIVE ROLE OF FOOD AND VITAMINS IN RADIATION INJURIES TO ORGANISM	N65-24942
ROLE OF GENETICS IN HUMAN PATHOLOGY - CLINICAL MEDICINE	N65-24437	PATHOLOGICAL, PHYSIOLOGICAL, AND EXPERIMENTAL THERAPY - BLOOD LOSS REPLACEMENT, SPLEEN TRANSPLANTATION, AND OXYGEN STARVATION	N65-25025
JPRS-30306		JPRS-30015	
ADRENOCORTICAL INSUFFICIENCY AND HYPERFUNCTION RESISTANCE TO CARBON MONOXIDE POISONING	N65-24690		
JPRS-30295			
EFFECT OF ASPHYXIA ON ELECTROCARDIOGRAM OF PUPPIES AND KITTENS OF DIFFERENT AGES	N65-24691		
JPRS-30297			
G-SUITS AND PROTECTIVE HELMETS FOR INCREASING ENDURANCE OF PILOTS	N65-24696		
JPRS-30380			

ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED
BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM
DUE TO OXYGEN STARVATION N65-25026

BIOPHYSICS - GLOBULE-BALL TRANSITIONS IN
MACROMOLECULES, NUCLEIC ACID MOLECULAR
STRUCTURE, BIOLUMINESCENCE AND RESPIRATION IN
LUMINESCENT BACTERIA N65-25027
JPRS-30097

POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL
TRANSITIONS IN MACROMOLECULES N65-25028

ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029

GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA N65-25030

PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT
CONTROL PROBLEM N65-25051

OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND
CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND
PETROLEUM GAS WITH HYDROGEN SULFIDE N65-25425
JPRS-30443

HYDROPHONE RECORDING DATA FOR SOUND SIGNALS
EMITTED BY DOLPHINS FOR DETERMINING SONIC
PRESSURE AT POINT OF EMISSION AND AT POINT OF
RECEPTION N65-25426
JPRS-30466

IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
N65-25430
JPRS-30541

PATHOLOGICAL CHANGES IN BODY SYSTEMS FROM OXYGEN
DEFICIENCY - CENTRAL NERVOUS SYSTEM N65-25431
JPRS-30576

CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES N65-25457
JPRS-30442

MATHEMATICAL DETERMINATION OF FRACTIONING
COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM
RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR
EXPLOSIONS N65-25458
JPRS-30500

CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,
RESPIRATION, CIRCULATION, AND APNEA N65-25459
JPRS-30577

EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS,
SPEECH FORMING MECHANISM, PERCEPTION, AND
ARTICULATION FOR HUMAN COMMUNICATION WITH
ELECTRONIC COMPUTERS N65-25514
JPRS-30543

RADIO TELEMTRY IN PHYSIOLOGY AND MEDICINE -
AEROSPACE MEDICINE N65-25540
JPRS-30528

TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER
CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND
COMPACT SILICON STABILITRON CONVERTERS N65-25541
JPRS-30557

PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT AND
TO INCREASE STABILITY UNDER WEIGHTLESSNESS
N65-25600
JPRS-30111

PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT
N65-25601

INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS
THROUGH PHYSICAL TRAINING N65-25602

SOVIET RESEARCH IN GENETICS, PHYSIOLOGY, AND
RADIOBIOLOGY N65-25611
JPRS-30485

CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION

BETWEEN PRIMARY EFFECTS OF RADIATION AND
CHEMICAL MUTAGENS N65-25612

GENETIC RECOMBINATION RESULTING FROM INTERACTION
BETWEEN FRAGMENT AND ANNULAR CHROMOSOMES IN
ESCHERICHIA COLI K-12 STRAINS N65-25613

CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY
OF SEEDS AND IRRADIATION INTENSITY N65-25614

EXCITATION STATE OF CENTRAL NERVOUS SYSTEM
REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD
SERUM PROTEINS - ELECTROKINETICS N65-25615

CARDIOLOGY - CLINICO-INSTRUMENTAL INVESTIGATION
OF MITRAL DISEASE N65-25669
JPRS-30490

CLINICO-INSTRUMENTAL INVESTIGATION OF CONTRACTILE
FUNCTION OF HEART N65-25670

DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY N65-25672

MODIFIED TWO CHANNEL, INK SCRIBING
ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT
FOR RECORDING ELECTRO-OSCILLOGRAMS N65-25673

MICROBIOLOGICAL SYNTHESIS IN INDUSTRY AND PROTEIN
BIOGENESIS N65-25722
JPRS-30486

MICROBIOLOGICAL SYNTHESIS - THEORETICAL AND
INDUSTRIAL ASPECTS, AND ADVANTAGES OVER CHEMICAL
SYNTHESIS N65-25723

PROTEIN BIOSYNTHESIS FROM GENETIC CODING TO
SYNTHESIS OF PROTEIN IN RIBOSOMES AND RIBOSOMAL
STRUCTURE N65-25724

ELECTROCHEMICAL ACTIVITY OF HUMAN BRAIN AT
CELLULAR LEVEL - MEMORY N65-25872
JPRS-30676

BLOOD FLOW CONSIDERED AS HARTMANN FLOW FOR
INHIBITION BY MAGNETIC FIELD N65-25876
JPRS-30635

SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS
N65-26034
JPRS-30503

POSSIBLE MECHANISM OF ELECTRICAL ASSYMETRY OF
TISSUES N65-26128
JPRS-30634

CYBERNETICS IN MOLECULAR BIOLOGY AND THEORY OF
PERCEPTION N65-26221
JPRS-30523

REGULATION OF CELLULAR METABOLISM, DETERMINISM IN
BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND
LIFE N65-26222

NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION,
PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223

ROENTGENOLOGY AND RADIOLOGY IN INDUSTRY AND
MEDICINE N65-26391
JPRS-30622

CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS
OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392

DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES
OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS
ORGANS N65-26393

MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL
BLOOD VESSELS UPON EXPOSURE TO IONIZING
RADIATION N65-26394

CORPORATE SOURCE INDEX

JOINT PUBLICATIONS RESEARCH SERVICE, CONT

INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT
OF BONE RADIOSENSITIVITY IN GROWING ANIMALS
N65-26396

CALCULATION OF ABSORBED DOSES OF LONG WAVE X-RAYS
AND RELATION BETWEEN IRRADIATION DOSAGE AND
FILTRATION OF PRIMARY BEAM
JPRS-30672 N65-26803

ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY
VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS,
QUALITATIVE AND QUANTITATIVE CHARACTERISTICS,
DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE
N65-26804

FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND
CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN
IRRADIATION DOSAGE AND FILTRATION OF PRIMARY
BEAM N65-26805

PHYSIOLOGICAL RESPONSE TO SPACE FLIGHT - PARABOLIC
FLIGHT, CARDIOVASCULAR DIURNAL RHYTHM, EYE
ACTIVITY, AND EFFECTS OF ANGULAR AND CORIOLIS
ACCELERATION
JPRS-30859 N65-26917

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT N65-26918

DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS
DURING SPACE FLIGHT N65-26919

PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY
DURING ORBITAL SPACE FLIGHT N65-26920

PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS
ACCELERATIONS N65-26921

PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN
CENTRIFUGE
JPRS-30817 N65-26960

CYBERNETICS FOR CONTROL OF PHYSICAL TRAINING
JPRS-30754 N65-26966

SPECIFIC CHARACTER OF BIOLOGICAL STRUCTURES
INCLUDING SYSTEM CHANGES, INTERRELATIONSHIPS,
BEHAVIOR, AND DEVELOPMENT
JPRS-30737 N65-27025

IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND
EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE
OXYGEN TENSION
JPRS-30818 N65-27028

SIMULTANEOUS RECORDING OF RESPIRATORY MOVEMENTS
AND SPEECH SOUND ON SAME MAGNETIC TAPE
N65-27029

VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND
ADRENALINE ACTIVITY UNDER EXPERIMENTAL
CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN
BLOOD OF PATIENTS WITH VIBRATION SICKNESS
JPRS-30845 N65-27030

HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
JPRS-30849 N65-27032

TOXICOLOGICAL EFFECTS OF THREE SYNTHETIC RUBBERS -
ANIMAL STUDY
JPRS-30850 N65-27033

REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY
REACTION OF SULFUR IN SATAL DRUG CONTAINING
GARLIC AND LEAD POWDER
JPRS-30863 N65-27037

EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION,
RATE OF ION FORMATION, AND DISAPPEARANCE
CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION
OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066

POLYMER CHEMISTRY PROGRESS IN SURGERY USING
POLYVINYL ALCOHOL PLASTICS
JPRS-30864 N65-27067

APOMORPHINE ADMINISTERED TO LABYRINTHECTOMIZED
DOGS FOR DETERMINING ROLE OF EXTRALABYRINTHINE

INFLUENCES IN PATHOGENESIS OF MOTION SICKNESS
JPRS-30843 N65-27115

PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL
STRUCTURES OF HOMOGENEOUS EXCITED TISSUE
N65-27244

ANTIBACTERIAL PROPERTIES OF TROPICAL AND
SUBTROPICAL FRUIT
JPRS-30497 N65-27267

VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT
N65-27268

INSOLATION RESEARCH ON CONDITIONED REFLEX ACTIVITY
AND ARTERIAL PRESSURE OF ANIMALS AND RESPIRATION
IN HUMAN BODY
JPRS-30527 N65-27425

INFLUENCE OF INSOLATION OF COLLAR ZONE ON
CONDITIONED REFLEX ACTIVITY AND ARTERIAL
PRESSURE OF ANIMALS N65-27426

INSOLATION INFLUENCE ON RESPIRATION IN HUMAN BODY
N65-27427

USE OF ISOTOPES IN CLINICAL, PREVENTIVE, AND
GENERAL MEDICINE N65-27609

PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS
JPRS-30893 N65-27809

BIOPHYSICS STUDY INCLUDING EYE TRACKING SYSTEM AND
STIMULATED EYE MOVEMENT
JPRS-30575 N65-28094

EVALUATION OF LIGHT STIMULATOR POSITION AND
MOVEMENTS OF EYES USING HUMAN SUBJECTS
N65-28095

INFORMATION ON TYPES OF EYE MOVEMENT IN EYE
TRACKING SYSTEM STUDY N65-28096

AUTOMATED LABORATORY APPARATUS FOR STUDY OF
ANIMAL CONDITIONED REFLEX
JPRS-30962 N65-28133

MASS CULTIVATION OF BACTERIA - ASTEROMONAS
GRACILIS ARTARI
JPRS-30995 N65-28134

HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN
STATE OF HYPOTHERMIA
JPRS-30998 N65-28140

EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE
ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS
JPRS-31013 N65-28142

EFFECT OF CORIOLIS ACCELERATION ON HUMANS -
AEROSPACE MEDICINE
JPRS-30927 N65-28174

CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD
VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION
OF RADIOACTIVE ISOTOPES
JPRS-31007 N65-28223

COMPILATION OF REPORTS ON MANNED SPACE FLIGHT,
GENETICS, AND CYTOLOGY - BIOLOGICAL CELL
JPRS-30944 N65-28286

EXTRAVEHICULAR OPERATION OF VOSKHOD II MANNED
SPACECRAFT - COSMONAUT REPORT DURING PRESS
CONFERENCE N65-28287

BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288

THERMAL MOLECULAR MOTION OF LIVING PROTOPLASM -
ENVIRONMENTAL ADAPTATION N65-28289

GENETIC ADAPTATION OF ORGANISMS TO RADIATION AND
PRACTICAL USE OF MUTAGENS N65-28290

PHYSIOLOGICAL EFFECTS CAUSED BY ORGANOPHOSPHORUS
INSECTICIDES, CARBON MONOXIDE AND METHANE
EXPOSURE, AND INHALATION OF FIBERGLASS PLASTIC

FUMES JPRS-30976	N65-28291	JPRS-31018	N65-28808
MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE OF ORGANISM TO CARBON MONOXIDE, METHANE, AND THEIR COMBINATIONS - MINING SAFETY	N65-28292	BLOOD FLOW TIME DETERMINATION BY OXYHEMOGRAM RECORDING ON OSCILLOGRAPH JPRS-31093	N65-28878
PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING INHALATION OF FUMES EMANATING FROM SPECIMENS OF FIBER GLASS REINFORCED PLASTIC	N65-28293	ANALYSIS AND SYNTHESIS OF CYBERNETIC SYSTEMS AND DEVICES - RESEARCH ON DATA CODING AND CONVERSION WITH AID OF DIGITAL COMPUTERS JPRS-31240	N65-29010
TRANSLATION OF RUSSIAN ARTICLES ON HYGIENE AND SANITATION STUDIES, WATER PURIFICATION, INDUSTRIAL TOXICOLOGY, RADIATION INJURY, AND AIR SAMPLING JPRS-30993	N65-28294	PHYSICAL AND EMOTIONAL TRAINING OF SOVIET COSMONAUTS JPRS-31250	N65-29011
PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY CONCENTRATION OF CARBON MONOXIDE IN AIR	N65-28295	APPLICATION OF CYBERNETICS TO FIELD OF BIOLOGY JPRS-31029	N65-29063
PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS	N65-28296	GRAPHIC RECORDING OF SECRETORY AND EXCRETORY PROCESSES USING PIEZOELECTRIC CRYSTAL RECORDING ELEMENT JPRS-31269	N65-29182
EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE OF HUMANS	N65-28297	CLIMATIC EFFECTS ON CHRONIC MICROWAVE IRRADIATION JPRS-31280	N65-29246
DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS, SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS	N65-28298	MUTUALLY INHIBITORY TRANSIENT RETINAL REACTIONS - PHYSIOLOGY	N65-29348
EFFECT OF IONIZING RADIATION ON IMMUNITY IN RATS	N65-28299	CYBERNETIC AND COMPUTER TECHNIQUES SIMULATING HUMAN PSYCHOLOGICAL FACTORS - INFORMATION RETRIEVAL JPRS-31062	N65-29350
EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC ORGANS OF WHITE RATS JPRS-31047	N65-28357	CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS OF SENTENCES INCLUDING HUMAN EMOTIONAL AND MEMORY CHARACTERISTICS	N65-29351
MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND AND SUPERHIGH FREQUENCY ELECTROMAGNETIC OSCILLATIONS - ACOUSTIC MEASUREMENTS OF STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY JPRS-30860	N65-28700	MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS JPRS-31360	N65-29790
EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL PROPERTIES OF ANIMAL BLOOD	N65-28701	PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL DEVICE JPRS-31374	N65-29832
MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM AFTER EXPOSURE TO ULTRASONIC IRRADIATION - ANIMAL STUDY	N65-28702	CHEMICAL COMPOUNDS FOR RADIATION SICKNESS PROTECTION OF MAN JPRS-31349	N65-29879
EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES ON MORPHOLOGY OF WHITE RAT TESTES	N65-28703	RADIOLOGY, IONIZING RADIATION DOSIMETRY, AND X-RAY DIAGNOSIS IN U.S.S.R. JPRS-31300	N65-30215
ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY ANIMALS AND ANIMALS WITH RADIATION SICKNESS	N65-28704	X-RAY FLUORESCENCE, X-RAY SCREENS, AND MATERIALS FOR X-RAY PHOTOGRAPHY	N65-30216
THERMAL EFFECT OF SUPERHIGH FREQUENCY ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS OF SUPERHIGH FREQUENCY FIELD DOSIMETRY	N65-28705	IONIZING RADIATION DOSIMETRY RESEARCH AND DEVICE DEVELOPMENT	N65-30217
ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION, COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY	N65-28706	IONIZING RADIATION EFFECTS ON MAN AND ANIMALS - RADIORIOLOGY AND PATHOLOGY	N65-30218
SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY MICROWAVE RADIATION	N65-28707	X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX CANCER IN U.S.S.R.	N65-30219
SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND METABOLISM OF NUCLEIC ACID - ANIMAL STUDY	N65-28708	DOSIMETRY AND RADIATION THERAPY IN U.S.S.R.	N65-30220
CYBERNETICS, ANIMAL BEHAVIOR, HUMAN THINKING, AND MACHINE DEVELOPMENT JPRS-31124	N65-28732	X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R.	N65-30221
NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD EFFECTS IN DOGS AND ANIMALS DURING ELECTRONARCOSIS		DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN U.S.S.R.	N65-30222
		FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS OF DISEASE	N65-30223
		RADIATION BIOLOGY INVESTIGATIONS WITH FRESH WATER ORGANISMS - CYBERNETICS	N65-30265
		CYBERNETIC PRINCIPLES IN EDUCATION AND ECONOMICS JPRS-31238	N65-30278
		MECHANIZATION PROBLEMS OF INDUSTRIAL MANAGEMENT	N65-30279
		PATTERN RECOGNITION PROBLEMS - CLASSIFICATION, CYBERNETIC INTERPRETATION OF RECOGNITION	

PROCESS, ALGORITHMS, AND PROBABILITY PROCEDURES,
AND THEORETICAL CONSIDERATION OF SOLUTION
JPRS-31440 N65-30682

TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED
SLEEP WITH ELECTRICITY
JPRS-31347 N65-30711

EFFECT OF ELECTROMAGNETIC RADIATIONS ON LIVING
ORGANISMS
JPRS-31501 N65-31004

BIOLOGICAL EFFECT OF PROTONS - EFFECT OF
RADIATION PROTECTIVE SUBSTANCES ON AFTERGLOW OF
IRRADIATED SOLUTIONS OF SERUM ALBUMIN - MUSCULAR
SYSTEM EXCITATION DISTRIBUTION
JPRS-31547 N65-31038

COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039

EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON
PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF
SERUM ALBUMIN
N65-31040

PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN
TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING
CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS
EXCHANGE
N65-31041

CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING
GENETIC EFFECTS OF RADIATION - HEREDITY
JPRS-31635 N65-31211

INSTANTANEOUS VARIATIONS OF METABOLITE
CONCENTRATION IN SYSTEM OF METABOLIC PROCESSES
IN CELLS
JPRS-31464 N65-31213

CHEMICAL PROCESSES CAPABLE OF REGULATING
BIOSYNTHESIS OF DNA
JPRS-31578 N65-31420

CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS -
PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS
SYSTEM
JPRS-31577 N65-31520

BIOLOGICAL MEASUREMENTS IN SPACE - AUTOMATIC
DEVICE - MONITORING DIGITAL COMPUTER -
INFORMATION MEASURING SYSTEMS - SPACE BIOLOGY
JPRS-31679 N65-31522

INHIBITION OF CONDITIONED REFLEX ACTIVITY OF
CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND
SOUND STIMULI
JPRS-31467 N65-31531

LITERATURE SURVEY IN MOLECULAR BIOLOGY, GENETICS,
AND STRESS
JPRS-31599 N65-31535

ANIMAL AND PLANT GENETICS - INDUCED MUTATION
PROCESSES
JPRS-31514 N65-31536

RESTRICTIONS ON DIFFERENTIAL EQUATIONS NECESSARY
TO USE DYNAMIC MODELING TO DESCRIBE BIOLOGICAL
SYSTEMS
JPRS-31663 N65-31712

HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED
WEIGHTLESSNESS
JPRS-31665 N65-31715

HUMAN ACCLIMATIZATION TO HOT CLIMATE CONDITIONS -
MEDICAL RESEARCH
JPRS-31463 N65-31717

PROCEDURES FOR CYBERNETICS WITH APPLICATIONS TO
MEDICAL SCIENCE
JPRS-31712 N65-31857

NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET
UNION
JPRS-31646 N65-32010

COLOR PERCEPTION IN BEES AND OTHER INSECTS
JPRS-31713 N65-32011

REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT ON SPACECRAFT VOSKHOD
JPRS-31913 N65-32344

ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909 N65-32356

EFFECT OF CLIMATIC FACTORS ON ACCLIMATIZATION TO
HIGH ALTITUDE ENVIRONMENTS
JPRS-31761 N65-32377

THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY
IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM
JPRS-31837 N65-32380

CONTROL PROCESSES IN LIVING ORGANISMS - CYTOLOGY
AND SEX FACTOR DETERMINATION AND CONTROL
N65-32560

EVOLUTION IN LIGHT OF CYBERNETICS - CONTROL
PROCESSES IN LIVING ORGANISMS
N65-32561

ROLE OF SEXES IN TRANSMISSION AND CONVERSION
OF GENETIC INFORMATION
N65-32583

ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL
N65-32587

EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE
N65-32652

ELECTRON TRANSFER DURING PHOTOSYNTHESIS, SPECTRUM
OF GREEN BACTERIA, ION CONCENTRATION RELATING TO
SNAIL MEMBRANES, ELECTRICAL MODEL OF NERVE
FIBER, AND PARAMECIUM MOVEMENT
JPRS-31282 N65-32658

BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN
SEQUENTIAL TRANSPORT OF ELECTRONS DURING
PHOTOSYNTHESIS
N65-32659

DIFFERENTIAL SPECTRUM OF GREEN BACTERIA
CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF
BACTERIOVIRIDINE CONVERSIONS DURING
PHOTOSYNTHESIS
N65-32660

EFFECT OF POTASSIUM ION CONCENTRATION ON
ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES
OF GRAPE SNAIL
N65-32661

ELECTRICAL MODEL OF NERVE FIBER AND PROTOPLASM
DIFFUSION PROCESSES DURING EXCITATION OF NERVE
N65-32662

ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC
ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE
ISOLATED GIANT AXON OF RAIN WORM
N65-32663

EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF
PARAMECIUM CAUDATUM
N65-32664

MATHEMATICAL MODELS FOR DETERMINING
COMBINATIVE CAPABILITIES RELATED TO GENETICS
JPRS-31830 N65-32760

MATHEMATICAL LOGIC AND PROBABILITY THEORY OF
CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
JPRS-31926 N65-32762

PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON
LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS
JPRS-31954 N65-33071

LITERATURE SURVEY IN CHEMICAL BIONICS - BIOLOGICAL
LIVING CELL AS CHEMICAL UNIT
JPRS-32014 N65-33203

ALIPHATIC AND CYCLIC HYDROCARBON ASSIMILATION
BY MICROORGANISMS
JPRS-32055 N65-33204

NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND
RELATIONSHIP BETWEEN NERVOUS AND HUMORAL
PROCESSES - INJECTIONS OF SEROTONIN AND
HISTAMINE
JPRS-31968 N65-33429

SYMPOSIUM ON PHYSICOCHEMICAL BASES OF BIOELECTRIC
POTENTIALS
JPRS-31971 N65-33430

IONIZING RADIATION SOURCE HANDLING REGULATIONS IN
YUGOSLAVIA
JPRS-31993 N65-34102

RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
STRUCTURE OF BIOLOGICAL MEMBRANES
JPRS-32016 N65-34453

FUNCTIONAL STATE OF VESTIBULAR ANALYZER
INVESTIGATED BY CALORIC AND ROTATION TESTS USING
SOURCES OF IONIZING RADIATION
JPRS-32151 N65-34676

VARIATIONAL PRINCIPLES IN BEHAVIOR OF LIVE
ORGANISMS N65-34752

PHYSIOLOGICAL REACTIVITY OF ANIMALS SUBJECTED TO
G FORCES - REACTIONS OF CARDIOVASCULAR AND
RESPIRATORY SYSTEMS OF COSMONAUTS UNDER
CONDITIONS OF ORBITAL FLIGHT - SPACE MEDICINE
JPRS-31958 N65-34775

CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS N65-34776

REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD 1 SPACECRAFT
N65-34777

BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY
JPRS-31822 N65-35016

BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS
ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA
IN DOGS SUBJECTED TO HEMORRHAGING
JPRS-31781 N65-35017

ARTICLES ON BIOPHYSICAL RESEARCH - MITOGENETIC
RADIATION, STRUCTURE OF PIGEON UTRICLE, ION
TRANSPORT IN RAT-CORTEX SECTIONS, AND
BIOELECTRICAL PHENOMENA IN MICROORGANISMS
JPRS-32209 N65-35150

DATA AND THEORIES PERTAINING TO MITOGENETIC
RADIATION BIOPHYSICAL RESEARCH N65-35151

ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE
N65-35152

DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153

ELECTRIC RESPONSE REACTIONS TO STIMULATION
OF OPALINA RANARUM N65-35154

EFFECTS OF ANTIRADIATION DRUGS ON PHYSICAL
ENDURANCE OF IRRADIATED MICE AND RATS AFTER
ADRENAL GLAND REMOVAL, AND ON MUSCULAR TONUS OF
GUINEA PIG INTESTINE
JPRS-31933 N65-35890

PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891

EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG
N65-35892

REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117

POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE

JPRS-32340

N65-36205

K

KAISER FOUNDATION RESEARCH INST., RICHMOND,
CALIF.

GENERAL PROPERTIES AND DISTRIBUTION OF NUCLEOSIDE
TRIPHOSPHATASES IN CRUDE EXTRACTS OF ESCHERICHIA
COLI
NASA-CR-59104 N65-29387

DIFFERENTIAL DISTRIBUTION OF RNA AND PROTEIN IN
RIBOSOMAL FRACTIONS OF ESCHERICHIA COLI
NASA-CR-59068 N65-29388

FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES
PURIFICATION AND RECONSTITUTION OF RIBOSOMAL
SYSTEM OF ESCHERICHIA COLI
NASA-CR-59029 N65-29485

KANSAS STATE UNIV., MANHATTAN.

PERCEPTION OF AUDITORY PATTERNS AS FUNCTION OF
INCIDENTAL VISUAL STIMULATION
TR-21 N65-28173

ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED
PERFORMANCE
NASA-CR-63837 N65-28853

ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES
IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY
AD-616622 N65-30631

KENT STATE UNIV., OHIO.

HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO
COLD
AAL-TDR-64-9 N65-35630

KENTUCKY UNIV., LEXINGTON.

RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED
NORADRENALINE AND ACUTE BODY COOLING -
CALORIGENIC EFFECTS OF NORADRENALIN
AAL-TR-64-21 N65-24080

L

LABORATOIRES DU CENTRE D ETUDE DE L ENERGIE
NUCLEAIRE, MOL /BELGIUM/.

CELLULAR AND BIOCHEMICAL RADIOBIOLOGY
EUR-2201.F N65-31915

LAFAYETTE CLINIC, DETROIT, MICH.

DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY
NASA-CR-156 N65-15546

VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMETRY
AMRL-TR-64-124 N65-17230

LANKENAU HOSPITAL, PHILADELPHIA, PA.

SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61 N65-12131

PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587

LIBRARY OF CONGRESS, WASHINGTON, D. C.

ABSTRACTS ON SOVIET BIOASTRONAUTICS AND
BIOTECHNOLOGY - RADIATION, GRAVITY, VIBRATION,
ACCELERATION, ATMOSPHERE, ECOLOGY, SELECTION,
TRAINING, MEDICAL MONITORING, AND BIOTELEMETRY
ATD-P-65-4 N65-16653

EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS
SYSTEMS N65-18886

MICROWAVE IRRADIATION EFFECT ON FUNCTIONAL
CONDITION OF NERVES N65-18889

HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY
SEALED CABINS FOR STRATOSPHERIC FLIGHTS
ATD-P-65-13 N65-19784

SOVIET BIOASTRONAUTIC AND MANNED SPACE FLIGHT -
LITERATURE SURVEY
ATD-P-65-14 N65-19785

- SEPARATOR FUNCTION FOR SOLUTION OF PATTERN RECOGNITION PROBLEMS N65-20394
- MODEL OF PHOTOSYNTHESIZING SYSTEMS BASED ON ELECTRON TRANSFER CONCEPT N65-20395
- SOVIET SPACE PROGRAM - GUIDANCE SYSTEMS, HUMAN FACTOR IN SPACE FLIGHT, PRESSURE SUITS AND SPACE CABIN, SPACECRAFT DESIGN, BIOASTRONAUTICS, SIMULATED SPACE FLIGHT, AND COMMUNICATIONS ATD-P-65-11 N65-20926
- AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED BIBLIOGRAPHY FOR 1962 AND 1963 NASA-CR-62127 N65-21424
- BIOLOGICAL EFFECTS OF SPACE TRAVEL AND ENVIRONMENT N65-26228
- ECOPHYSIOLOGY - BIOLOGICAL RESPONSE TO SPACE ENVIRONMENT AND TRAVEL N65-26229
- PHYSIOLOGICAL RESPONSE TO GRAVITATIONAL EFFECTS AND WEIGHTLESSNESS - VOSKHOD I AND VOSKHOD II FLIGHTS N65-26230
- RETINAL IMAGE AND TRANSFORMATION WITHIN VISUAL SYSTEM N65-26531
- CONFERENCE ON ENVIRONMENTAL PROBLEMS OF MAN IN SPACE - MEDICINE, PROLONGED EXPOSURE TO PURE OXYGEN, RADIATION SAFETY, LIFE SUPPORT SYSTEMS, AND MAN-MACHINE SYSTEM RELIABILITY N65-27419
- COMPILATION OF ABSTRACTS ON SPACE MEDICINE AND BIOLOGY, SPACE PHYSIOLOGY, AND SPACE VEHICLE ECOLOGY - LIFE SUPPORT SCIENCES ATD-P-64-66 N65-27748
- MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND NERVOUS SYSTEM OF FROGS ATD-T-65-39 N65-28123
- ABSTRACTS ON RESPIRATORY PHYSIOLOGY FROM SOVIET LITERATURE AD-618421 N65-31931
- PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF MANNED SPACE FLIGHT PROGRAM N65-32679
- AEROSOLS, BIOLOGICAL PATHOGENS, CHEMICAL SUBSTANCES - BIBLIOGRAPHY OF SOVIET OPEN LITERATURE PRIOR TO 31 DECEMBER 1962 ATD-B-65-43 N65-32709
- ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF MICROWAVES ATD-P-65-68 N65-34204
- BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME FLUIDS ATD-T-65-56 N65-35916
- LIBRASCOPE, INC., GLENDALE, CALIF.
ANIMAL STUDIES ON RADIATION PROTECTION AFFORDED BY CYSTEAMINE AND OTHER CHEMICAL COMPOUNDS EUR-1835.F N65-13804
- LITTON SYSTEMS, INC., ST. PAUL, MINN.
MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING NASA-CR-57724 N65-20753
- CHARACTERISTICS OF IMPACTION AND BIOLOGICAL FILTRATION AEROSOL COLLECTION MECHANISMS IN STRATOSPHERE N65-23985
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE EXISTENCE AND IDENTIFICATION OF VIABLE MICROORGANISMS AT HIGH ALTITUDES N65-23999
- LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF.
HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI SPACECRAFT DURING TERMINATION OF RENDEZVOUS MISSION
- LMSC-6-62-64-13 N65-11016
- TERMINAL PHASE SPACE RENDEZVOUS CONTROL-DISPLAY OPTIMIZATION EXPERIMENTS LMSC-6-62-64-15 N65-12230
- PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK USING DIFFERENT THRUST CONTROL SYSTEMS LMSC-6-65-65-1 N65-20398
- AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO DEVELOP DIGITAL TECHNIQUES FOR PROCESSING, DISPLAYING, AND ANALYZING DATA LMSC-6-65-65-15 N65-24710
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT - LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN PERFORMANCE LMSC-6-62-64-19 N65-31557
- LOCKHEED-CALIFORNIA CO., BURBANK.
IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS SYSTEM OF CATS AND RATS, AND ON NEURONS AND NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION NASA-CR-52231 N65-17068
- TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS LR-17744 N65-20120
- INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS LR-18525 N65-23152
- LOCKHEED-GEORGIA CO., MARIETTA.
CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE, WARNING LIGHT MONITORING, AND PROBABILITY MONITORING TASKS AS FUNCTION OF WORKLOAD AMRL-TR-65-22 N65-27092
- SPACE RADIATION SHIELDING CODE FOR SPACECRAFT GEOMETRY N65-34634
- LOMA LINDA UNIV., CALIF.
COMPUTER PROGRAMMING TECHNIQUES TO MONITOR FETUS DURING LABOR AND DELIVERY USING FETAL ELECTROCARDIOGRAMS N65-28753
- LONDON UNIV. /ENGLAND/.
AUDITORY PERCEPTION - ENERGY TRANSFORMATIONS WITHIN INNER EAR AFOSR-65-0040 N65-28205
- LOS ALAMOS SCIENTIFIC LAB., N. MEX.
CALCULATION OF RETINAL DOSE FROM VISIBLE RADIATION OF NUCLEAR EXPLOSIONS LA-3204-MS N65-19331
- BIOLOGICAL EFFECTS OF SMALL RADIOACTIVE PARTICLES FROM ATMOSPHERIC DEBRIS LA-3365-MS N65-32357
- RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT N65-34581
- METHODS TO AID IN MICROSTRUCTURE ANALYSIS BY ELECTRON MICROSCOPY - ARTIFICIAL CLATHRATES, DECOMPOSITION, EPITAXY, AND SULFUR SENSITIZATION LA-3389-MS N65-36223
- LOUISIANA STATE UNIV., BATON ROUGE.
MICROBIAL OXIDATION OF HYDROCARBON GASES AD-609207 N65-18279
- LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION OF SHELLFISH FOR EXTENDING STORAGE LIFE GR0-626 N65-22081
- LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, ALBUQUERQUE, N. MEX.
RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER WHOLE BODY X-RAY IRRADIATION IN DOG LF-17 N65-10880
- APPARATUS WITH PLETHYSMOGRAPH TO MONITOR RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY SYSTEM LF-16 N65-11573

- BIOCHEMICAL MICROTÉCHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE
LF-22 N65-25292
- INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448
- RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM
SOLAR FLARE RADIATION - RADIATION EFFECTS
N65-34584
- M**
- MAINZ UNIV. /WEST GERMANY/.
VERTICAL DISTRIBUTION OF AIRBORNE ORGANISMS IN
TROPOSPHERE AND STRATOSPHERE N65-23990
- MARQUARDT CORP., VAN NUYS, CALIF.
DETECTOR CELL CONCEPT FOR SIGNAL RESPONSE
EVALUATION FOR CULTURABLE EARTH MICROORGANISMS
INCLUDING NUTRIENT AND ENVIRONMENTAL FACTORS
NASA-CR-62003 N65-22616
- MARQUETTE UNIV., MILWAUKEE, WIS.
ELECTRICAL AXIS OF FETAL HEART N65-16616
- MARTIN CO., BALTIMORE, MD.
TEST PROGRAM FOR MANNED ORBITAL FLIGHT
SSD-TDR-64-213, V. 3, APP. I-B N65-15580
- OXYGEN CONCENTRATION EFFECT ON GROWTH RATE,
CONVERSION EFFICIENCY, AND CELL COMPOSITION -
CYTOGENESIS
NASA-CR-55188 N65-17069
- CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070
- FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION,
STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND
BALLAST N65-18600
- HUMAN ENGINEERING IN SYSTEMS DESIGN
N65-23960
- SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC
MATERIAL STUDIES
NASA-CR-64418 N65-31053
- DESIGN STUDY OF LUNAR EXPLORATION HAND TOOLS FOR
LUNAR GEOLOGICAL AND ENVIRONMENTAL PROGRAM -
FIRST QUARTERLY DESIGN REPORT
NASA-CR-65092 N65-31179
- MARTIN CO., DENVER, COLO.
BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT N65-16605
- MARYLAND UNIV., COLLEGE PARK.
SPECTRAL SENSITIVITY OF SMALL RETINAL AREAS
AD-448595 N65-12067
- COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL
CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF
BEHAVIOR
NASA-CR-53475 N65-15373
- PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR
APPLICATION IN CLOSED ECOLOGICAL SYSTEMS
NASA-CR-60396 N65-15801
- PHOTOSYNTHESIS IN CHLORELLA CELL DEVELOPMENT
AND AGING N65-15802
- VAN SLYKES BUFFER VALUES FOR CHLORELLA CELL
SECRETIONS INTO SURROUNDING MEDIUM
N65-15803
- ANALYTIC CHEMISTRY AND DETERMINATION OF STEROLS IN
SIX SPECIES OF CHLORELLA N65-15804
- PHYSIOLOGICAL AND MORPHOLOGICAL RELATIONSHIPS
BETWEEN MARINE SPECIES OF CHLORELLA
N65-15805
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED
ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554 N65-16812
- ACTIVITY VARIATIONS OF PHOTOSYNTHETIC MECHANISMS
IN GREEN PLANT CELLS N65-16813
- BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA
N65-16814
- BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR
COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL
NASA-CR-62606 N65-23283
- COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS
ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE
PROGRAMS WITH ANIMALS N65-28770
- EMPIRICAL EVALUATION OF THEORETICAL MODEL OF
LATENT CLASS ANALYSIS TO DETERMINE IF POPULATION
OF RESPONDENTS CAN BE DIVIDED INTO FINITE NUMBER
OF GROUPS OR CLASSES - COMPUTER PROGRAMMING
NASA-CR-63870 N65-28868
- MASON RESEARCH INST., WORCESTER, MASS.
EFFECT OF FREEZE PRESERVATION AND THAWING OF
RHESUS MONKEY ERYTHROCYTES - CRYOGENICS
AD-465702 N65-27526
- MASSACHUSETTS GENERAL HOSPITAL, BOSTON.
ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL
SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM
N65-28752
- MASSACHUSETTS INST. OF TECH., CAMBRIDGE.
PHYSIOLOGICAL AND PSYCHIATRIC EFFECTS OF
EXAMINATION STRESS AND NIGHT-DAY REVERSAL
AD-423385 N65-10623
- FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM
SELF-PACED MANUAL TASKS - CYBERNETICS
NASA-TN-D-2665 N65-17329
- HIGH ENERGY NONFAT NUTRIENT SOURCES - ANIMAL STUDY
IN NUTRITION N65-18598
- HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL
THEORY TECHNIQUES - HUMAN ENGINEERING
NASA-CR-57292 N65-19689
- SAMPLED DATA PURSUIT HAND TRACKING MODEL FOR HUMAN
OPERATOR
NASA-CR-57221 N65-19749
- MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION
BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS
NASA-CR-63198 N65-25401
- ONTOLOGICAL SIGNIFICANCE OF ENTITIES WITH RESPECT
TO EFFECT ON LOGICAL STRUCTURE OF MIND -
PHILOSOPHICAL FOUNDATION FOR PSYCHOLOGY AND
PSYCHIATRY - GESTALT THEORY
NASA-CR-63609 N65-27388
- MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN
DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE
CONTROL
NASA-CR-64545 N65-32033
- OVERVIEW OF RESEARCH IN PHYSIOLOGICAL,
EXPERIMENTAL, DEVELOPMENTAL, AND COMPARATIVE
PSYCHOLOGY - STUDIES ON BRAIN AND BEHAVIOR,
PERCEPTION, COORDINATION, AND LEARNING
NASA-CR-58831 N65-32115
- LIGHT MOTION PROCEDURE FOR VIEWING RETINAL CONES
NASA-CR-58190 N65-33714
- MODEL OF PERIPHERAL AUDITORY SYSTEM - CASE STUDY
IN NEURAL MODELING
NASA-CR-58094 N65-35219
- MATRIX CORP., ARLINGTON, VA.
FAULT ISOLATION/CORRECTION TEXT AND
TROUBLESHOOTING DIAGRAMS FOR SAGE MAINTENANCE
TECHNICIANS
ESD-TR-64-664 N65-19351

MAX-PLANCK-INSTITUT FUR BIOPHYSIK, FRANKFURT
AM MAIN /WEST GERMANY/.
BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING
TISSUES AND ORGANISMS
AED-C-04-16 N65-22844

MAYO CLINIC, ROCHESTER, MINN.
PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS N65-17306

BLOOD OXYGEN CHANGES INDUCED BY FORWARD
ACCELERATION
AMRL-TR-64-132 N65-21039

ROENTGEN VIDEO EQUIPMENT STUDIES OF HEART AND
LUNG DURING POSITIVE ACCELERATION - FLUOROSCOPY
NASA-CR-57958 N65-21324

DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398

BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS
AMRL-TR-64-133 N65-22476

MEAD JOHNSON AND CO., EVANSVILLE, IND.
FORMULA DIETS - WEIGHT CONTROL, PEPTIC ULCER,
INFANT, AND DIETS FOR METABOLIC STUDIES
N65-18599

MEDICAL COLL. OF VIRGINIA, RICHMOND.
CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF
NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN
CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION
TID-21440 N65-30175

MEDICAL RESEARCH COUNCIL, LONDON /ENGLAND/.
STRONTIUM 90 IN HUMAN BONE - RADIATION HAZARD
EVALUATION
REPT.-10 N65-29860

MELPAR, INC., FALLS CHURCH, VA.
HYDROGEN GENERATION FROM SUGARS AND NATURAL
PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL
CELL
REPT.-10 N65-24964

MIAMI UNIV., CORAL GABLES, FLA.
SPACE RELATED BIOLOGY INCLUDING EXTRATERRESTRIAL
ENVIRONMENT STUDIES - ANNUAL REPORT, JUNE 1965
NASA-CR-64060 N65-29773

MICHIGAN STATE UNIV., EAST LANSING.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL
CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440 N65-25850

EFFECTS OF WEIGHTLESSNESS AND OTHER STRESSES IN
SPACE FLIGHT ON PATHOGENICITY AND IMMUNITY
NASA-CR-63282 N65-26065

BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER
TO DETERMINE CARDIAC OUTPUT
NASA-CR-58985 N65-32091

MICHIGAN UNIV., ANN ARBOR.
COMPATIBLE AND INCOMPATIBLE DISPLAY-CONTROL
DEVICES FOR TESTING MEMORY RETENTION
REPT.-02855-1-F N65-12653

RELATIONSHIP OF SYNTACTIC LANGUAGE BEHAVIOR TO
GRAMMAR AND SEMANTICS OF WORD ASSOCIATION
RADC-TDR-64-146 N65-15779

TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC
PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR
EARTH SURFACE N65-23992

THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN
PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION
REPT.-13 N65-27793

MAN-MACHINE PERFORMANCE MEASUREMENTS
NASA-CR-64106 N65-30469

POTENTIAL APPLICATIONS OF REMOTE SENSING TO
ECOLOGY RESEARCH N65-33589

MIDWEST RESEARCH INST., KANSAS CITY, MO.
MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY
NASA-CR-64601 N65-33128

MILAN UNIV. /ITALY/.
DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS
DURING POSITIVE PRESSURE BREATHING
AMRL-TR-64-141 N65-30345

MINNEAPOLIS-HONEYWELL REGULATOR CO., MINN.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724

MINNESOTA UNIV., MINNEAPOLIS.
ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
CARDIAC CYCLE OUTPUT OBSERVATION
N65-16607

PROCEEDINGS OF ATMOSPHERIC BIOLOGY CONFERENCE
NASA-CR-62786 N65-23980

ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981

LONG TERM ANALYSIS OF ATMOSPHERIC POLLEN
N65-23993

ELECTROGRAPHIC FORMATS TO MEET BIOPHYSICAL
RESEARCH REQUIREMENTS - RELATIONSHIP AMONG
BIOPHYSICAL INSTRUMENTATION PROBLEM, RESEARCH
WORKER, AND DATA HANDLING AND INTERPRETATION
N65-28755

MISSISSIPPI STATE UNIV., STATE COLLEGE.
PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318

MITRE CORP., BEDFORD, MASS.
VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004 N65-17144

MOUNT HOLYOKE COLL., SOUTH HADLEY, MASS.
RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557

N

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH
COUNCIL, WASHINGTON, D. C.
BIOLOGICAL STUDIES FOR SPACE SCIENCE - EXO BIOLOGY,
ENVIRONMENTAL BIOLOGY, HUMAN PHYSICAL AND
PSYCHOLOGICAL FACTORS N65-24915

BIOLOGICAL EXPLORATION OF MARS
NASA-CR-64337 N65-30839

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.
PILOT PERFORMANCE USING VISUAL DISPLAY FOR GUIDING
HIGH SPEED AIRCRAFT IN CLOSE PROXIMITY TO
TERRAIN
NASA-TN-D-1827 N65-11043

FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15646

SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION
EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY
NASA-TN-D-2710 N65-18214

CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION N65-18595

LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477

COSMOLOGY - ORIGIN OF LIFE
NASA-TM-X-51753 N65-21478

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

CORPORATE SOURCE INDEX

INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS
NASA-TM-X-51729 N65-21479

PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED
AND MANEUVERING ACCELERATION STRESS ON PILOT
PERFORMANCE IN LOW LEVEL MISSION
NASA-TM-X-51748 N65-21756

LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM
NASA-TM-X-51741 N65-22189

CORRELATION BETWEEN STIMULUS AND RESPONSE
SEQUENCES DERIVED FROM OBSERVER PERFORMANCE
AND FEEDBACK INFORMATION - SIGNAL TO NOISE RATIO
NASA-TM-X-51737 N65-22198

FEASIBILITY OF MANNED PARTICIPATION IN CONTROL
OF LARGE LAUNCH VEHICLE
NASA-TN-D-2807 N65-23166

EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS
ACCELERATION ON PILOT OF FLIGHT SIMULATOR -
REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND
POSITION IN SPACE
NASA-TM-X-51755 N65-23710

PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE
HIGH SPEED FLIGHT
NASA-TN-D-2793 N65-25925

ULTRASENSITIVE MOMENTUM TRANSDUCER USED AS
BALLISTOCARDIOGRAPH FOR MEASURING HEART BEAT
OF AVIAN EMBRYOS
NASA-TM-X-54041 N65-25972

RELATIONSHIP OF DIFFERENT STAGES OF
CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND
ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY
ELICITED BY NERVE STIMULATION IN MONKEYS
N65-28774

VISUAL MASKING USING VARIOUS TEST STIMULUS
PATTERNS
NASA-TM-X-51978 N65-29381

HUMAN RESTRAINT SYSTEMS DEVELOPMENT FOR
ACCELERATION RESEARCH
NASA-TM-X-54780 N65-29431

ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE
BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS
NASA-TM-X-51940 N65-29450

PHYSIOLOGY OF THIRST AND DRINKING - DEHYDRATION
LAG IN MAN AND RAT
NASA-TM-X-51938 N65-29471

HUMAN RESPONSES TO WEIGHTLESSNESS - ANALYSIS OF
ASTRONAUT BIOMEDICAL DATA FROM MERCURY PROJECT
FLIGHTS
NASA-TM-X-51935 N65-29487

PILOT RESTRAINT SYSTEMS DEVELOPMENT AND TESTED
UNDER SIMULATED HIGH ACCELERATION CONDITIONS
N65-29769

BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/13/ N65-30951

EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711

OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF
GRAVITY
NASA-TT-F-9562 N65-33806

ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION
PROBLEM
NASA-SP-75 N65-34227

BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN
LARGE ANIMALS - RADIATION EFFECTS
N65-34583

ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX

FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
GODDARD SPACE FLIGHT CENTER, GREENBELT, MD.
X-RAY AND RADIO FREQUENCY RADIATION HEALTH HAZARDS
SURROUNDING RADAR TRACKING SYSTEM
NASA-TM-X-55110 N65-12608

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
JOHN F. KENNEDY SPACE CENTER, COCOA BEACH,
FLA.
RADIATION HAZARD HANDBOOK SUPPLEMENT - PERSONS
EXPOSED TO IONIZING RADIATION OR RADIOACTIVE
MATERIALS
NASA-TM-X-54859 N65-12416

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
LANGLEY RESEARCH CENTER, LANGLEY STATION, VA.
MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING
VEHICLE DURING ORBIT, RETROCKET FIRING, AND
REENTRY INTO EARTH ATMOSPHERE
NASA-TM-X-359 N65-12802

VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS
IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE
TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT
CONTROL SYSTEM
NASA-TN-D-2569 N65-14119

IGNIZING RADIATION IN SUPERSONIC TRANSPORT FLIGHTS
NASA-TM-X-56122 N65-18921

SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY
AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION
NASA-TM-X-127 N65-28135

FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993 N65-35060

REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MANNED SPACECRAFT CENTER, CAPE CANAVERAL, FLA.
GEMINI LAUNCH VEHICLE PILOT SAFETY PROGRAM
NASA-TM-X-56714 N65-31008

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MANNED SPACECRAFT CENTER, HOUSTON, TEX.
PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS
CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND
GEMINI PROJECTS
NASA-TN-D-2506 N65-14451

HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION
AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN
CABIN ATMOSPHERE N65-14452

PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453

EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454

BACTERIOLOGICAL MEASUREMENTS IN TWO-MAN SPACECRAFT
CABIN SIMULATOR N65-14455

PREPARATION, HANDLING, AND STORAGE OF FOOD FOR
MERCURY, GEMINI, AND APOLLO SPACE PROJECTS
N65-18574

NUTRITION AND STRESSES OF SHORT TERM SPACE FLIGHT
N65-18575

SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697 N65-21473

SPACE ENVIRONMENT SIMULATION OF VACUUM
DECOMPRESSION TO DETERMINE SURVIVAL AND
AND RECOVERY PROBABILITY - ANIMAL STUDY

CORPORATE SOURCE INDEX

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION,

NASA-TM-X-51669 N65-24039

DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775

INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY N65-28776

RESCUE TECHNIQUES USING STANDARD STOKES LITTER
DESCRIBED FOR HANDLING INJURED PERSONS IN
WATER N65-29754

SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE
LIMITS FOR CREW PROTECTION N65-34591

SPACE RADIATION EFFECTS ON APOLLO MISSION -
SHIELDING ANALYSIS N65-34592

SPACE RADIATION EFFECTS ON APOLLO MISSION -
ENVIRONMENTAL ANALYSIS N65-34593

SPACE RADIATION EFFECTS ON APOLLO MISSION -
OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594

HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TM-X-51649 N65-35262

EVALUATION OF GENERAL PHYSICAL CONDITION OF
GEMINI IV FLIGHT CREW WITH INCREASING TIME
UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF
CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD
N65-36104

CORRELATION OF ELECTRIC AND MECHANICAL
ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND
PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW
MEMBERS N65-36105

BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY
N65-36106

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALA.
CALCULATION OF PROTON PENETRATION AND DOSE RATES
FOR TISSUE, ALUMINUM, AND OTHER SHIELDING
MATERIALS N65-34630

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION,
WASHINGTON, D. C.
ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/04/ N65-10228

ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277 N65-10303

PHYSIOLOGICAL REACTIONS OF HUMAN ORGANISM TO
TRANSVERSE ACCELERATIONS AND MEANS OF RAISING
HUMAN TOLERANCE TO SUCH FORCES
NASA-TT-F-274 N65-10315

EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641

STRUCTURE AND FUNCTION OF VESTIBULAR APPARATUS
UNDER CONDITIONS OF ALTERED GRAVITATIONAL FIELD
NASA-TT-F-278 N65-11021

EFFECT OF PROLONGED EXPOSURE TO CONDITIONS OF
ARTIFICIAL ATMOSPHERE ON HUMAN BODY
NASA-TT-F-276 N65-11045

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND
BIOLOGY
NASA-SP-7011/01/ N65-11057

HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305

BIOASTRONAUTICS AND SPACE MEDICINE

NASA-TT-F-9155 N65-11306

PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY
AFTER CORTEX ABLATION
NASA-TT-F-9178 N65-11451

REACTION OF HUMAN PERFORMANCE TO COMPLEX
ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT
CABIN
NASA-TT-F-273 N65-11874

BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908

MICROBIOLOGICAL AND CYTOLOGICAL DATA FROM VOSTOK
TYPE SPACECRAFT
NASA-TT-F-281 N65-12219

EXTRATERRESTRIAL LIFE DETECTORS
NASA-SP-56 N65-12268

SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF
FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY
OF HUMANS AND ANIMALS
NASA-TT-F-228 N65-13626

EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627

RESPIRATORY CHANGES IN SICK AND HEALTHY HUMANS
UNDER CONDITIONS OF HYPOXIA N65-13628

VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO
DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC
ACTIVITY DUE TO HYPOXIA N65-13629

PHYSIOLOGICAL TELEMETRY ON MANNED SPACE FLIGHTS
N65-13630

PSYCHOLOGY OF PILOT PERFORMANCE IN INSTRUMENT
FLIGHT N65-13631

PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT N65-13632

EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN
ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY
FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN
ANIMALS N65-13633

MEDICAL SERVICE FOR SOVIET CIVIL AVIATION
N65-13634

HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING N65-13635

DRUGS FOR PREVENTION AND TREATMENT OF
AIRSICKNESS N65-13636

DOG SPLEEN RESPONSE TO LATERAL ACCELERATION
N65-13637

EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION
AND BREATHING OXYGEN AT EXCESS PRESSURE
N65-13638

HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL
ACCELERATION N65-13639

TRANSMISSION OF MEDICAL INFORMATION OVER TELEMETRY
CHANNELS OF LIMITED CAPACITY N65-13640

DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS
N65-13641

ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642

AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND
ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT
N65-13643

THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE
VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY
N65-13644

PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION
ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI
N65-13645

INCREASING RESISTANCE FOR PROTECTION AGAINST
PHYSIOLOGICAL HAZARDS IN FLIGHT
N65-13646

RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST
N65-13647

EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS
OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS
AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN
N65-13648

GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-
OXYGEN ATMOSPHERE
N65-13649

MEDICAL EXAMINATIONS OF FLIGHT PERSONNEL
N65-13650

PSYCHOPHYSIOLOGY OF OBESITY IN FLIGHT PERSONNEL
N65-13651

FUNCTIONAL EVALUATION OF BLOOD CIRCULATION AND
USE IN SELECTING AND TRAINING FLYING PERSONNEL
N65-13652

FUNCTIONAL CHANGES IN CARDIOVASCULAR SYSTEM AFTER
EXPOSURE TO HYPODYNAMIA
N65-13653

USE OF DRUGS TO INCREASE BODILY RESISTANCE TO
FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654

STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655

OXYGEN SUPPLY OF HEART DURING RESPIRATION AT
EXCESS PRESSURE
N65-13656

RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
VOSTOK SPACECRAFT
N65-13657

CARDIAC ACTIVITY CHANGES DURING PROLONGED LATERAL
ACCELERATIONS
N65-13658

HEMODYNAMIC RESPONSES AND RESPIRATION DURING
ACCELERATIONS
N65-13659

VESTIBULAR APPARATUS REGULATION OF BLOOD SUGAR
LEVEL
N65-13660

BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661

USE OF ANTICIPATING PROCESSES IN FLIGHT ACTIVITY
FOR SELECTION AND TRAINING OF PERSONNEL AND
CONTROL OF ACCIDENTS
N65-13662

EFFECT OF LIMITED MOBILITY ON BODY DURING SPACE
FLIGHT - MOTOR BEHAVIOR, MENTAL STATE, PHYSICAL
FUNCTIONS, AND WEIGHTLESSNESS
N65-13663

SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS
N65-13664

EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665

MORPHOLOGICAL CHANGES IN NERVOUS SYSTEM OF ANIMALS
SUBJECTED TO LATERAL ACCELERATIONS
N65-13666

FUNCTIONAL CHANGES IN MAN DURING PROLONGED
ISOLATION
N65-13667

PHYSIOLOGICAL REACTIONS TO SHOCK OVERLOADS AT HIGH
LANDING SPEEDS
N65-13668

INDOLE AND HYDRAZINE DRUG DERIVATIVES TO INCREASE
RESISTANCE TO OXYGEN DEFICIENCY
N65-13669

WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO
RADIAL ACCELERATION
N65-13670

MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS
N65-13671

QUALITATIVE EVALUATION OF FLIGHT FATIGUE
N65-13672

PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT
FLYING
N65-13673

SELECTION OF INDIVIDUALS FOR FLIGHT TRAINING
N65-13674

HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS
N65-13675

EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS
N65-13676

VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL
INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF
AUTONOMIC NERVES AND SPINAL CORD
N65-13677

USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE
N65-13678

CHANGES IN CAPACITY OF CENTRAL NERVOUS SYSTEM
FOR ACQUIRING SKILLS DURING PILOT TRAINING
N65-13679

EFFICIENCY OF OXYGEN SUPPLY SYSTEM, IN CONTROLLING
RESPIRATION AT EXCESS PRESSURE
N65-13680

EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS
N65-13681

BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682

SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683

EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE
WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN
BEINGS AND ANIMALS
N65-13684

HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN
MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS
N65-13685

EFFECTS OF RESPIRATION WITH HIGH PRESSURE IN
LUNGS ON BLOOD FLOW RATE
N65-13686

HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW
PRESSURE CHAMBER
N65-13687

PHYSIOLOGICAL ASPECTS OF HYPOXIA AND CHEMICAL
THERMOREGULATION
N65-13688

TIME FACTOR IN RETAINING CONSCIOUSNESS DURING
RAPID EMERGENCY DESCENT TO LOWER ALTITUDE
N65-13689

NEUROPSYCHIC TENSIONS IN PILOTS DURING AIRCRAFT
LANDINGS
N65-13690

CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS
N65-13691

GRAVITATIONAL EFFECTS ON ORGANISMS
N65-13692

PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS
OF LIMITED MOTOR ACTIVITY
N65-13693

VISUAL OBSERVATIONS OF FLIGHT INSTRUMENTS BY
PILOT
N65-13694

CORPORATE SOURCE INDEX

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, CONT

ASTRONAUT PERFORMANCE UNDER STRAPPED AND UNFASTENED CONDITIONS DURING BRIEF PERIODS OF WEIGHTLESSNESS N65-13695

PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS AFTER ACCELERATION STRESS N65-13696

QUANTITATIVE EVALUATION OF OPERATOR RELIABILITY IN MAN-MACHINE SYSTEM N65-13697

CHARACTERISTICS OF OPTOKINETIC NYSTAGMUS AFTER PROLONGED OPTOKINETIC STIMULATION N65-13698

ANIMAL STUDIES ON CHANGES IN BIOELECTRIC ACTIVITY OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS AND ACCELERATION STRESS N65-13699

SENSORY DEPRIVATIONS IN HUMAN BEINGS EXPOSED TO WEIGHTLESSNESS N65-13700

BODY POSITION OF ANIMALS IN WEIGHTLESSNESS N65-13701

ANIMAL STUDIES ON EFFECTS OF CENTRIFUGAL ACCELERATION STRESS ON CEREBRAL BLOOD FLOW N65-13702

CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED N65-13703

EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704

OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS N65-13705

MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED TO ACCELERATIONS OF VARYING INTENSITY, DURATION, AND DIRECTION N65-13706

TESTING HEARING BY USING SPEECH AUDIOMETRY TO DETERMINE WORD GROUP PERCEPTION IN FITNESS EXAMINATIONS OF FLIGHT PERSONNEL N65-13707

PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING MIXTURES, HIGH CARBON DIOXIDE BREATHING MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL TRACK, AND ACCELERATION EFFECT ON REFLEXES N65-13708

CARDIOVASCULAR SYSTEM AS INDEX OF NERVOUS, EMOTIONAL, AND PHYSICAL STRAIN OF PERSONNEL ON LONG FLIGHTS WITH COMPLEX MISSION N65-13709

CHANGES IN DOG PANCREAS FOLLOWING SINGLE LATERAL ACCELERATION N65-13710

LATENT FORM OF MOTION SICKNESS IN HEALTHY MALES - EFFECT ON VISUAL ANALYZER N65-13711

CARDIOVASCULAR REACTION DURING PARACHUTE TRAINING, VIBRATION EXPOSURE, AND PROLONGED CONFINEMENT AND ISOLATION AS MEASURE OF EFFICIENCY AND ENDURANCE OF MAN FOR SPACE FLIGHT TRAINING N65-13712

ROLE OF GRAVITY IN LIFE OF ORGANISMS AND EVOLUTION OF ANIMALS - PROBABLE EFFECTS OF PROLONGED WEIGHTLESSNESS N65-13713

VALUE OF PHYSICAL FITNESS IN PRESERVING MENTAL, MOTOR, AND AUTONOMIC STABILITY IN PREPARATION AND EXECUTION OF EXTENDED SPACE FLIGHTS N65-13714

STRUCTURAL CHANGES IN DOG LUNGS AFTER EXPOSURE TO LATERAL ACCELERATIONS IN BACK-CHEST DIRECTION N65-13715

INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE CHANGES IN RENAL TUBULES AS MORPHOLOGICAL CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY LATERAL ACCELERATIONS N65-13716

PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING N65-13717

CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS TO CHEST-BACK ACCELERATIONS N65-13718

VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL ACCELERATIONS N65-13719

INDIVIDUAL DIFFERENCES IN SENSITIVITY TO HYPOCAPNIA AND USE OF HYPERVENTILATION IN SELECTION OF CANDIDATES FOR FLIGHT TRAINING N65-13720

DEGREE OF PRESSURE EXERTED BY THERMOREGULATORY MECHANISMS OF BODY IN ORDER TO FORESTALL SERIOUS DISORDERS CAUSED BY OVERHEATING OR SUPERCOOLING N65-13721

CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND DOGS CAUSED BY EXPLOSIVE DECOMPRESSION N65-13722

CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723

CHANGES IN VECTORCARDIOGRAM OF FLIGHT PERSONNEL IN EARLY STAGES OF HYPERTENSION N65-13724

ELECTROCARDIOGRAM CHANGES IN FLIGHT PERSONNEL AFTER PROLONGED NONSTOP FLIGHTS IN TURBOPROP AIRCRAFT N65-13725

COSMIC PHYSIOLOGY AND ORGANIZATION OF EXPERIMENTS IN FLIGHT OF MAN INTO COSMOS N65-13726

SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND OTHER PHYSIOLOGICAL MEASUREMENTS N65-13727

LABOR HYGIENE AND OCCUPATIONAL PATHOLOGY IN WORK WITH ULTRAHIGH FREQUENCY ELECTROMAGNETIC RADIATION N65-13729

VIBRATION AND RADIATION EFFECTS ON ACIDIFYING PROCESSES IN BRAIN TISSUES OF RATS N65-13730

DIAGNOSIS OF CHANGES IN ELECTROENCEPHALOGRAM TO ESTABLISH HUMAN RESISTANCE TO ACUTE HYPOXIA FOR LONG PERIOD OF TIME N65-13731

FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL, AND GASTROINTESTINAL DISEASES - PERSONNEL SELECTION N65-13732

DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL AFFLICTED WITH ATHEROSCLEROSIS N65-13733

EFFECT OF INTENSIVE ANGULAR ACCELERATIONS ON VESTIBULAR REACTIONS OF AIRCRAFT PILOT N65-13734

CHANGES IN LYMPH NODES OF DOGS FOLLOWING SPACE FLIGHT N65-13735

MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS FOLLOWING TRANSVERSE ACCELERATION N65-13736

EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION N65-13737

PROBLEMS OF PERSONNEL SELECTION N65-13738

WORKING CONDITIONS AROUND ULTRAHIGH FREQUENCY GENERATORS - PERSONNEL SAFETY N65-13739

REACTION OF BLOOD SYSTEM OF DOG TO REDUCED BAROMETRIC PRESSURE N65-13740

REFLEX REACTIONS OF DOG TO BREATHING UNDER

INCREASED INTRAPULMONARY PRESSURE	N65-13741		N65-13767
RHYTHM OF PHYSIOLOGICAL FUNCTIONS IN LIMITED MOBILITY DURING SPACE FLIGHT	N65-13742	PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO CENTRIPETAL ACCELERATIONS	N65-13768
FLIGHT CONTROL AND NAVIGATION INSTRUMENTS	N65-13743	EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR APPARATUS ON ELECTRIC POTENTIAL OF STOMACH	N65-13769
CHANGES OF INTERNAL ORGANS IN DOGS SUBJECTED TO ROTATION	N65-13744	STATUS OF ANTICOAGULATING MECHANISMS UNDER CONDITIONS OF PROLONGED BED REST	N65-13770
PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS SUBJECTED TO TRANSVERSE ACCELERATIONS	N65-13745	EFFICACY OF PHARMACOLOGICAL PREPARATION IN COMBATING MOTION SICKNESS OF AIR TRANSPORT PASSENGERS	N65-13771
PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS, AVIATION, AND ASTRONAUTICS	N65-13746	INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY AND DURING PERFORMANCE	N65-13772
EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF AVIATION CADETS - PREDICTABILITY AND RELIABILITY	N65-13747	MICROORGANISMS AS INDICATORS OF SOLAR ACTIVITY AND PRECURSORS OF SOLAR FLARES	N65-13773
PILOT ERRORS IN INSTRUMENT FLYING	N65-13748	SIGNIFICANCE OF PARASYMPATHETIC NERVOUS SYSTEM TONE FOR INCREASING RESISTANCE TO FLIGHT CONDITIONS	N65-13774
IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED BY HUMAN OPERATOR	N65-13749	EFFECT OF SYSTEMATIC TRAINING ON TOLERANCE OF WHITE RATS TO PROLONGED HYPODYNAMIA AND ISOLATION	N65-13775
ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC OF STIMULUS	N65-13750	EFFECT OF PARACHUTE JUMPS ON PERSONS IN DIFFERENT AGE GROUPS	N65-13776
ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO ALTITUDE FACTORS	N65-13751	PHYSIOLOGICAL REACTIONS IN WEIGHTLESSNESS	N65-13777
EFFECT OF OXYGEN STARVATION ON MOTION SICKNESS	N65-13752	EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL MEASURES	N65-13778
HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND TRAINING OF FLIGHT PERSONNEL	N65-13753	METHODS OF SELECTING PERSONNEL BY VESTIBULAR TESTS	N65-13779
PATTERNS IN PHYSIOLOGICAL EFFECTS OF ACCELERATION ON ORGANISM	N65-13754	SENSORIMOTOR COORDINATION IN EXTENDED WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT	N65-13780
ROLE OF NERVOUS SYSTEM IN REACTION OF ORGANISM TO ACCELERATIONS	N65-13755	RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS	N65-13781
ELECTROENCEPHALOGRAPHIC EXAMINATION OF PERFORMANCE OF PERSONNEL DURING LONG FLIGHTS	N65-13756	ULTRALOW FREQUENCY DISPLACEMENT INVESTIGATION OF BALLISTOCARDIOGRAPHY	NASA-TT-F-269
EFFECT OF IONIZING IRRADIATION ON VESTIBULAR APPARATUS	N65-13757	AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED BIBLIOGRAPHY	NASA-SP-7011/05/
HISTOCHEMICAL EXAMINATION OF CHANGES IN DISTRIBUTION OF EFFECT OF SUCCINIC DEHYDROGENASE, CARBOANHYDRASE, ATP AND SULFHYDRYL GROUPS OF INNER ORGANS IN HYPOXIA	N65-13758	EVALUATING ASTRONAUT CONDITION AND ACTIVITY IN PROLONGED SPACE FLIGHT	NASA-TT-F-271
AVIATION PHYSIOLOGY	N65-13759	BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS	NASA-TT-F-9157
EFFECT OF REDUCED REACTIVITY OF ORGANISM ON RESISTANCE TO EXTREME ACCELERATION AND RADIATION	N65-13760	STUDIES IN MEDICINE AND PHYSIOLOGY DERIVED FROM VOSTOK SPACECRAFT FLIGHTS	NASA-TT-F-9207
HEMODYNAMIC INDEXES OBTAINED BY MECHANOCARDIOGRAPHIC METHOD	N65-13761	TYPES OF MEMORY IN ANIMALS - ANIMAL STUDY	NASA-TT-F-304
EFFECT OF PARACHUTE JUMPING ON METABOLISM OF PROTEINS AND VITAMINS	N65-13762	CONDITIONED REFLEX AND MODERN NEUROPHYSIOLOGY	NASA-TT-F-306
VITAMIN REQUIREMENTS IN DIET OF AVIATORS AND ASTRONAUTS	N65-13763	NEUROPHYSIOLOGICAL MECHANISMS EFFECT ON EXTERNAL SIGNAL DISCRIMINATION	NASA-TT-F-307
CHANGES IN EXCITABILITY AND LABILITY OF VISUAL ANALYZER UNDER PROLONGED NONSTOP FLIGHTS IN MULTIPASSENGER TURBOPROP AIRCRAFT	N65-13764	ENERGY FOR PHYSIOLOGICAL FUNCTIONS DESCRIBED AS ENERGY ACCUMULATION IN HIGH ENERGY BONDS	NASA-TT-F-308
METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER SPACE FLIGHT	N65-13765	BIO-LIKE STRUCTURES FORMED IN DISTILLED WATER AND ON AGAR GEL IN ELECTRIC FIELD	NASA-TT-F-9239
EFFECT OF ANGULAR ROTATION VELOCITIES ON STATE OF PHYSIOLOGICAL SYSTEMS AND SEVERAL VISUAL FUNCTIONS	N65-13766		
RESPONSE OF ANIMALS AND METHODS TO INCREASE RESISTANCE TO FLIGHT CONDITIONS			

CORPORATE SOURCE INDEX

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, CONT

ABIOTENESIS OF PRIMARY MICROORGANISMS BY ELECTRIC DISCHARGE
NASA-TT-F-9244 N65-16303

ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY DISEASE
NASA-TT-F-9247 N65-16304

CHANGES IN TEMPORAL AND ORBITAL CIRCULATION IN PATIENTS WITH LESIONS OF CAROTID AND VERTEBRAL ARTERIES OF HEAD - PLETHYSMOGRAM AND RHEOENCEPHALOGRAPH DATA
NASA-TT-F-295 N65-16593

ANNOTATED BIBLIOGRAPHY ON EXTRATERRESTRIAL LIFE
NASA-SP-7015, PT. I N65-16598

INERT GAS IN ARTIFICIAL ENVIRONMENT TO PREVENT PULMONARY DISTURBANCES
NASA-TT-F-9258 N65-16641

PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS, MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING SUBORBITAL AND ORBITAL FLIGHT
NASA-TT-F-305 N65-17465

AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY
NASA-SP-7011/06/ N65-17879

EMBOLISM AND PAROXYSMAL AURICULAR FIBRILLATION
NASA-TT-F-8552 N65-18178

PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE FLIGHT
NASA-TT-F-9257 N65-18180

TRITON HIBERNATION IN FROST ENVIRONMENT
NASA-TT-F-9162 N65-18336

RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS
NASA-TT-F-9259 N65-18337

NUTRITION IN SPACE ENVIRONMENT - CONFERENCE
NASA-SP-70 N65-18566

HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED SPACE EXPLORATION
N65-18567

WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM - SPACE EXPLORATION
N65-18568

FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569

BIOREGENERATIVE LIFE SUPPORT SYSTEMS, METABOLISM, AND SPACE ENVIRONMENTAL FACTORS
N65-18570

ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/08/ N65-19038

BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY
NASA-SP-7011/07/ N65-19271

MEDICAL ASPECTS OF MANNED SPACE FLIGHT
EP-17 N65-19947

HISTORY AND DEVELOPMENT OF AVIATION MEDICINE IN U.S.S.R.
NASA-TT-F-176 N65-21725

FORERUNNERS OF AVIATION MEDICINE - STUDIES OF MOUNTAIN SICKNESS AND CONSUMPTION OF RAREFIED AIR
N65-21726

DEVELOPMENT OF AVIATION MEDICINE IN U.S.S.R.
N65-21727

PROGRESS OF AVIATION MEDICINE OUTSIDE U.S.S.R. DURING AND AFTER FIRST WORLD WAR
N65-21728

SOVIET AVIATION MEDICINE AND ITS ORIGIN
N65-21729

SOVIET AVIATION MEDICINE
N65-21730

REVIEW OF RESEARCH IN AVIATION MEDICINE IN VARIOUS COUNTRIES DURING YEARS 1920 TO 1930
N65-21731

REVIEW OF RUSSIAN RESEARCH IN AVIATION MEDICINE DURING YEARS 1930 TO 1940
N65-21732

RUSSIAN STUDIES OF PHYSIOLOGICAL EFFECTS OF HIGH MOUNTAIN ENVIRONMENTS - APPLICATIONS TO AVIATION MEDICINE
N65-21733

REVIEW OF RUSSIAN RESEARCH IN AVIATION MEDICINE DURING THE YEARS 1940 TO 1945
N65-21734

BIBLIOGRAPHY ON AVIATION MEDICINE FROM BEGINNING TO YEAR 1950
N65-21735

CYBERNETICS OF HUMAN FACTORS IN SPACE SYSTEMS ENGINEERING
NASA-TM-X-51735 N65-22190

AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/09/ N65-22614

AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY
NASA-SP-7011/10/ N65-22615

PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS
NASA-TT-F-9340 N65-22622

BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE MEDICINE AND BIOASTRONAUTICS PUBLISHED IN U.S.S.R., 1962-1964
NASA-TT-F-270 N65-22968

BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING ON BLOOD AND TISSUE
NASA-TT-F-9338 N65-23678

URINE EXCRETION IN ANIMALS - DEPENDENCE OF DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION IN DRINKING WATER
NASA-TT-F-9337 N65-23793

ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING PSYCHOLOGY
NASA-TT-F-312 N65-24370

VARIATIONS IN STRENGTH OF MUSCLES DURING MOVEMENT USING DYNAMOMETER MEASURING DEVICE
NASA-TT-F-9339 N65-27676

RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND RATE OF PRESSURE CHANGE IN RIGHT AND LEFT VENTRICLES
NASA-TT-F-9384 N65-27686

LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710

EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION, AND IONIZING RADIATION ON OXYGEN METABOLISM AND FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711

SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY
NASA-TT-F-9426 N65-27712

EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713

HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714

RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715

TRANSFORMATION OF AMINO-ACYL-S- RNA INTO LIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE CARBODIIMIDE
NASA-TT-F-9448 N65-27724

ANALYSIS OF CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM USING COMPUTER METHODS - SYMPOSIUM

NASA-SP-72	N65-28750	NASA-TT-F-9458	N65-32265
PHYSIOLOGICAL EFFECTS OF GRAVITATION AND WEIGHTLESSNESS ON RUSSIAN COSMONAUTS - DISCUSSION		MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING ASTRONAUT SELECTION AND TRAINING, RESULTS OF LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND BIOMEDICAL PLANNING FOR SPACE FLIGHTS	
NASA-TT-F-376	N65-29623	NASA-SP-4003	N65-32394
ANNOTATED BIBLIOGRAPHY ON BIOLOGICAL, PHYSIOLOGICAL, PSYCHOLOGICAL, AND ENVIRONMENTAL EFFECTS OF AIR AND INTERPLANETARY FLIGHT UPON MAN	N65-29648	INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS	N65-32754
NASA-SP-7011/11/		NASA-TT-F-9546	
CONTINUING BIBLIOGRAPHY OF AEROSPACE MEDICINE AND BIOLOGY		WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS	N65-32876
NASA-SP-7011/12/	N65-29649	NASA-TT-F-9536	
EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE OF BLOOD IN NORMAL PERSONS	N65-29726	D NA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA	N65-32973
NASA-TT-F-9439		NASA-TT-F-316	
INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY	N65-29740	CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN CLINICAL PRACTICE	N65-33261
NASA-TT-F-9514		NASA-TT-F-9497	
HUMAN PERFORMANCE IN SIMULATED SPACE FLIGHT ENVIRONMENT	N65-30730	TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR MANNED SPACE FLIGHTS	N65-33350
NASA-TT-F-355		NASA-TN-D-2695	
PHARMACOLOGICAL AGENT EFFECTS ON CCRONARY CIRCULATION	N65-31146	MATHEMATICAL METHODS APPLIED TO AVIATION AND SPACE MEDICINE - SUMMARY OF REPORTS GIVEN AT CONFERENCE	N65-33364
NASA-TT-F-336		NASA-TT-F-374	
SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING RADIATION, RADIAL ACCELERATION, VERTICAL VIBRATION, AND PROLONGED ACCELERATION ON PHYSIOLOGICAL RESPONSE IN ANIMALS	N65-31375	PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES - MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON EARTH	N65-33629
NASA-TT-F-354		MEDICAL INVESTIGATIONS ON VOSKHOD AND VOSKHOD II SPACECRAFT	N65-33801
MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO COMBINED EFFECTS OF IONIZING RADIATION AND NONRADIATION FACTORS	N65-31376	NASA-TT-F-9539	
RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW IN CEREBRAL VEINS OF RABBITS	N65-31377	OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF GRAVITY	N65-33806
PROLONGED ACCELERATION AND GRAVITATIONAL FORCES EFFECT ON GROWTH OF ORGANISM AND VITAL ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS	N65-31378	NASA-TT-F-9562	
EFFECT OF LOCAL AND TOTAL, SINGLE AND CHRONIC VIBRATION ON STATE OF PERIPHERAL AND CENTRAL NERVOUS SYSTEMS	N65-31379	ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS OF AORTA	N65-33809
NASA-TT-F-354		NASA-TT-F-9569	
EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG	N65-31380	ANNOTATED BIBLIOGRAPHY ON AEROSPACE MEDICINE AND BIOLOGY	N65-33830
NASA-SP-7011/14/		NASA-SP-7011/14/	
EFFECT OF PENETRATING RADIATION ON VESTIBULAR FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE WHOLE-BODY GAMMA IRRADIATION	N65-31381	AVIATION MEDICINE MANUAL FOR PERSONNEL TRAINING	N65-33950
NASA-TT-F-8403		NASA-TT-F-8403	
COMBINED EFFECTS OF VIBRATION AND ACUTE IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA PIGS	N65-31382	DATA SYNTHESIS OF ELECTROCARDIOLOGICAL METHODS	N65-33951
NASA-TT-F-9459		NASA-TT-F-9459	
EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE OF SPINAL REFLEX ARC	N65-31383	PROBLEMS IN SPACE ECOLOGICAL PHYSIOLOGY	N65-33958
NASA-TT-F-9545		NASA-TT-F-9545	
EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE REFLEX IN GUINEA PIG	N65-31384	ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY OF MAN DURING ORBITAL SPACE FLIGHT	N65-34428
NASA-TM-X-57000		NASA-TM-X-57000	
COMBINED EFFECTS OF VIBRATION AND RADIATION ON FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX ARC	N65-31385	HUMAN VISION AND DEPTH PERCEPTION AGAINST SIMULATED SPACE BACKGROUND	N65-34500
NASA-TN-D-2845		NASA-TN-D-2845	
VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL TISSUE OF RATS	N65-31386	DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE	N65-34507
NASA-TT-F-264		NASA-TT-F-264	
MECHANISM OF COMBINED EFFECT OF VIBRATION AND IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL TISSUES OF RATS	N65-31387	BIBLIOGRAPHY ON BALLISTOCARDIOGRAPHY	N65-35520
NASA-SP-7021		NASA-SP-7021	
COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS ON NUCLEI OF BONE MARROW CELLS IN MAMMALS	N65-31388	TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS	N65-35524
NASA-TT-F-9589		NASA-TT-F-9589	
BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR EARTH TO MOON MANNED SPACE FLIGHTS		EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS	N65-35780
		NASA-TT-F-9391	
		CONSTRUCTION OF DEVICE FOR RECORDING BLOOD PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS	

ON OSCILLOGRAPHS
NASA-TT-F-9581 N65-35782

DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE CYBERNETICS
NASA-TT-F-9588 N65-35783

CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION PROBLEMS
NASA-TT-F-9590 N65-35784

MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785

PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786

SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS - AEROSPACE MEDICINE
NASA-TT-F-350 N65-35828

NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
NASA-TT-F-9578 N65-36751

PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS IN ORBITAL FLIGHT
NASA-TT-F-9593 N65-36752

ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES
NASA-TT-F-9594 N65-36753

HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER OF HUMAN TO DETERMINE THRESHOLD VALUE FOR LIFE-SUPPORT NOISE IN MANNED SPACECRAFT
NASA-TT-F-9596 N65-36755

PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS UNDER SPACE FLIGHT CONDITIONS
NASA-TT-F-9597 N65-36756

CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY VERTICAL POSITION OR GYRATION - BLOOD CIRCULATION
NASA-TT-F-9715 N65-36759

AEROSPACE MEDICINE AND BIOLOGY - CONTINUING BIBLIOGRAPHY WITH INDEXES
NASA-SP-7011/15/ N65-36894

ELECTROTHERAPY OF INSOMNIA - ELECTRICAL SLEEPING MACHINE
NASA-TT-F-9743 N65-36895

NATIONAL AERONAUTICS AND SPACE COUNCIL, WASHINGTON, D. C.
MANNED SPACE FLIGHT GOALS AND PHILOSOPHY
N65-18573

SOVIET BIOASTRONAUTICS RESEARCH AND MANNED SPACE FLIGHT PROGRAM
N65-22655

NATIONAL INST. OF NEUROLOGICAL DISEASES AND BLINDNESS, BETHESDA, MD.
HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA
N65-28760

NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA /ONTARIO/.
EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS
NRC-TT-1162 N65-28590

EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT OF ULTRASHORT ELECTROMAGNETIC WAVES ON BIOLOGICAL SUBJECTS
NRC-TT-1161 N65-28815

NAVAL AIR DEVELOPMENT CENTER, JOHNSVILLE, PA.
MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER VARIABLE RATIO REINFORCEMENT RESPONSES
NADC-ML-6409 N65-10409

HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSED IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139 N65-15558

FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR EXPLOSION
NADC-ML-6412 N65-15710

BIOENGINEERING - SPACECRAFT ACCELERATION SIMULATION BY HUMAN CENTRIFUGE
N65-16603

PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS
NADC-ML-6413 N65-18881

EFFECTIVENESS OF SIMPLE EYE PATCH FOR EYE PROTECTION AGAINST FLASH BLINDNESS AND DESIRABILITY OF USING LARGE NUMBERS OF OBSERVERS IN FLASH BLINDNESS RESEARCH
NADC-ML-6326 N65-27862

ANALOG POWER SPECTRAL DENSITY ANALYSIS OF ELECTRORETINOGRAM DATA
NASA-CR-64330 N65-30840

HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN
N65-33630

FOREARM VASCULAR RESISTANCE MEASURE OF NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING PROLONGED WEIGHTLESSNESS
NADC-ML-6511 N65-34467

NAVAL AIR ENGINEERING CENTER, PHILADELPHIA, PA.
EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457

QUATERNARY AMMONIUM COMPOUNDS FOR SANITIZING AND DEODORIZING RUBBERIZED FLIGHT CLOTHING AND USE OF NONIONIC DETERGENTS FOR RENDERING SYNTHETIC MATERIALS ANTISTATIC
NAEC-AML-2050 N65-18031

PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT UNDER SPACE AND TIME LIMITATIONS
NAEC-ACEL-527 N65-21059

NAVAL APPLIED SCIENCE LAB., BROOKLYN, N. Y.
FLIGHT CREW UNIFORMS EXPOSED TO THERMAL RADIATION
AD-453922 N65-18468

NAVAL MEDICAL RESEARCH INST., BETHESDA, MD.
THERMOREGULATORY PHYSIOLOGICAL DEFENSE MECHANISMS AND MOLECULAR ENERGY TRANSFORMATION OF HUMAN BODY
NASA-CR-52183 N65-16487

ELEVATION OF INTERNAL BODY TEMPERATURES DURING TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1 N65-33342

NAVAL MEDICAL RESEARCH LAB., NEW LONDON, CONN.
HUMAN PERFORMANCE WHILE EXERCISING IN ARTIFICIAL ATMOSPHERE UNDER PRESSURE EQUIVALENT TO 200 FEET OF SEA WATER
REPT.-419 N65-13111

PSYCHOLOGICAL RESPONSE PATTERNS, STRESS RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE SUBMARINE
REPT.-416 N65-18876

VISUAL ACUITY STANDARDS FOR SUBMARINE DUTY
REPT.-428 N65-18877

AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTATOLOGY, AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT - AUTONOMIC NERVOUS SYSTEM MECHANISMS
MR-63-13 N65-35295

NAVAL ORDNANCE LAB., WHITE OAK, MD.
ELECTRONIC ANALOG ARTIFICIAL EAR MODEL SIMULATION FOR COMPLEX SOUND CLASSIFICATION AND THEORY OF HEARING - ANALOG COCHLEA

NOLTR-64-191	N65-22496	SEMICIRCULAR CANAL AND OTOLITH ORGAN DISTURBANCES BY HIGH G LOAD, WEIGHTLESSNESS, AND ARTIFICIAL GRAVITY IN SPACE TRAVEL NASA-CR-60419	N65-16027
NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIF.		EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND SUBGRAVITY STATES NASA-CR-51786	N65-16431
VISUAL SEARCH FOR TARGETS NAVWEPS-8406	N65-12535	GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE FLIGHT NASA-CR-56358	N65-16433
BIBLIOGRAPHY OF CETACEA LITERATURE NAVWEPS-8645	N65-22386	ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION - LINEAR ENERGY TRANSFER SPECTRUM OF HETEROGENEOUS PROTON BEAM NASA-CR-51826	N65-16483
VISUAL DETECTION OF GROUND TARGETS FROM AIRCRAFT NOTS-TP-3645	N65-26145	ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION IN SPACE NASA-CR-50471	N65-16484
VISUAL SEARCH EXPERIMENTS - ACUITY, RESPONSE TIME, AND NOISE PERSISTENCE - BIOTECHNOLOGY NAVWEPS-8731	N65-34683	SUSTAINED LOW MAGNETIC FIELD EFFECT ON VISION - TEN DAY TEST ON FOUR MALE VOLUNTEERS NASA-CR-56356	N65-16485
NAVAL RADIOLOGICAL DEFENSE LAB., SAN FRANCISCO, CALIF.		EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE AND CELL DIVISION IN MAN AND ANIMAL NASA-CR-52453	N65-16486
ABSCOPAL EFFECTS OF X-RAY IRRADIATION ON COMPENSATORY HYPERTROPHY OF RAT KIDNEY USNRDL-TR-783	N65-11665	FLIGHT TRAINING PERSONNEL ATTRITION RATES BUMED-40	N65-17242
LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE USNRDL-TR-784	N65-11666	ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND INERTIAL FORCE EXPOSURE NASA-CR-57274	N65-19692
DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME REPLICATION IN CAT BONE MARROW CELLS USNRDL-TR-779	N65-11959	COMPARATIVE HISTOLOGICAL STUDY OF REINFORCED AREA OF SACCCULAR MEMBRANE IN MAMMALS NASA-CR-60389	N65-19746
COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE PHANTOM FOR RADIATION EXPERIMENTS INVOLVING SHEEP USNRDL-TR-842	N65-30503	ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF SQUIRREL MONKEY INNER EAR NASA-CR-57931	N65-21338
NAVAL RESEARCH LAB., WASHINGTON, D. C.		RADIATION EXPOSURE IN SOLAR PARTICLE BEAMS BEHIND VERY LOW SHIELDING - RADIATION PROTECTION OF SPACE SUIT NASA-CR-62198	N65-21724
EFFECT OF HIGH INTENSITY MAGNETIC FIELDS ON RESPIRATION AND PHOTOSYNTHESIS IN ALGAE NRL-6153	N65-10497	ANTICHOLINERGICS, ANTIHISTAMINES, AND TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION SICKNESS DRUGS AD-611394	N65-22889
PRESSURE AS FACTOR IN ALGAE GROWTH - OXYGEN PRODUCED BY PHOTOSYNTHESIS OF ALGAE	N65-11717	PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY PERSONNEL - HEART RATE CURVES DURING EXERCISE, RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS NSAM-890	N65-24810
RECOVERY OF TRACE ORGANIC CONTAMINANTS IN SEALAB I ATMOSPHERE, SEPARATION WITH GAS CHROMATOGRAPH, AND IDENTIFICATION	N65-31484	DEVELOPMENT OF MOTION SICKNESS QUESTIONNAIRE FOR EARLY IDENTIFICATION OF FLIGHT TRAINING STUDENTS SUSCEPTIBLE TO MOTION SICKNESS NSAM-916	N65-25215
NAVAL SCHOOL OF AVIATION MEDICINE, PENSACOLA, FLA.		RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM NASA-CR-63423	N65-26409
BIOLOGICAL STRESSES AND HAZARDS IN MANNED SPACE FLIGHT NASA-CR-59405	N65-10045	VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE MOVEMENT NASA-CR-63651	N65-27513
ANALOG COMPUTER AS AREA INTEGRATOR FOR ELECTROCARDIOGRAM REPT.-1	N65-10218	COMPARATIVE EFFECTS OF PROLONGED ROTATION ON POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND DEFECTIVE HUMAN SUBJECTS NASA-CR-63799	N65-28350
RELATIONSHIPS AMONG NEEDS AND VALUES OF FLIGHT CANDIDATES - PSYCHOLOGICAL TESTING REPT.-39	N65-10509	EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE NASA-CR-63800	N65-28539
SMALL VISUAL ACUITY DEFECT IN RELATIONSHIP TO COMPLETION OF FLIGHT TRAINING AND IN OPERATIONAL FLYING REPT.-2	N65-11096	QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES NASA-CR-63803	N65-28540
GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS NASA-CR-59548	N65-11396		
EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR ACCELERATION NASA-CR-59565	N65-11407		
INFLAMMATORY AND DEGENERATIVE LESIONS IN APPARENTLY NORMAL SQUIRREL MONKEYS NASA-CR-60193	N65-15139		
COMPUTER CALCULATIONS FOR INTERPRETATION OF ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS FROM EXERCISE TESTS ON AVIATORS REPT.-3	N65-15277		

- SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION
IN HUMANS SUBJECTED TO CONTINUOUS ROTATION
NASA-CR-63865 N65-28872
- EFFECTS OF VIBRATIONS ON CHROMOSOMES/CELLS FROM
VARIOUS ORGANISMS
NASA-CR-64642 N65-33252
- RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON
POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-64935 N65-33855
- TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY
NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE
NASA-CR-64997 N65-33865
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921
- LOCAL DOSE FROM PROTON AND ALPHA PARTICLE ENDERS
BEHIND COMPLEX SHIELDING
N65-34631
- CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF
SENSITIVITY TO ROTATION IN WHITE RATS
NASA-CR-67253 N65-35110
- PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS
PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING
NSAM-932 N65-36226
- OPERATION OF MATHEMATICAL MODEL OF
BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
DATA PROCESSING SYSTEM
NSAM-915 N65-36249
- THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION
NASA-CR-67539 N65-36425
- MAGNITUDE OF GRAVITOINERTIAL FORCE, INDEPENDENT
VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF
HORIZONTAL-SPACE PERCEPTION
NASA-CR-67538 N65-36426
- VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO
ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537 N65-36431
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY
NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL
LABYRINTHINE DEFECTS - AEROSPACE MEDICINE
NASA-CR-67520 N65-36432
- COMPARATIVE EFFECTS OF PROLONGED ROTATION AT
10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-67122 N65-36440
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573 N65-36594
- NAVAL TRAINING DEVICE CENTER, PORT WASHINGTON,
N. Y.
TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION
ACCURACY IN ENVIRONMENT DEVOID OF DETAIL
NAVTRADEVEN-IH-13 N65-10260
- BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY
RULES FOR PERSONNEL PROTECTION
NAVTRADEVEN-IH-15 N65-14941
- CONTIGUOUS UNIOcular OR SEPARATE BINOCULAR
LUMINOUS INTENSITY PERCEPTION OF LIGHT FLASHES
NAVTRADEVEN-IH-16 N65-18074
- NAV ELECTRONICS LAB., SAN DIEGO, CALIF.
MARINE BIOLOGICAL SOUND PRESENT IN TAPE RECORDINGS
OBTAINED FROM SHALLOW AND DEEP HYDROPHONES
NEL-1290 N65-33374
- NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT,
SAN DIEGO, CALIF.
BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE
PREDICTION AT LARGE ANTARCTIC STATION
REPT.-64-22 N65-19567
- HUMAN BEHAVIOR STUDY ON SOCIAL STRUCTURE CHANGE IN
SMALL ISOLATED GROUPS
REPT.-64-24 N65-22949
- NEBRASKA UNIV., LINCOLN.
RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND
MAGNETOCARDIOGRAM N65-16604
- MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388
- NEVADA UNIV., RENO.
LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE
AND CYTOCHEMISTRY IN PLANTS
NASA-CR-55179 N65-17055
- EFFECTS OF LOW PRESSURES ON CELLULAR
ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS
NASA-CR-64097 N65-30474
- NEW HAMPSHIRE UNIV., DURHAM.
BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL
DURING HIBERNATION AND INDUCED HYPOTHERMIA
AAL-TDR-63-21 N65-10255
- CHEMICAL SYNTHESIS OF ACTINOMYCIN ANALOGS -
PREPARATION OF HETEROAROYL PEPTIDES
AR-3 N65-31233
- NEW MEXICO UNIV., ALBUQUERQUE.
PARAMETERS FOR COMPUTER ANALYSIS OF
NEUROPHYSIOLOGICAL DATA USING EEG FROM
NORMATIVE LIBRARY N65-28766
- NEW YORK EYE AND EAR INFIRMARY, N. Y.
RADIATION EFFECT ON RETINA - BURN INJURY STUDY
R-1747 N65-23889
- NEW YORK UNIV., N. Y.
ENCODING IN PERCEPTUAL /VISUAL/ SERIAL POSITION
EFFECT
AD-609101 N65-14083
- MECHANISM FOR ENCODING, PROCESSING AND STORAGE OF
PERCEPTUAL CONFORMATION IN PROBLEM SOLVING
AD-463786 N65-28999
- NORTH AMERICAN AVIATION, INC., COLUMBUS, OHIO.
NAVIGATION AND EMERGENCY TASK LOADING EFFECT
ON PILOT PERFORMANCE DURING LOW ALTITUDE HIGH
SPEED FLIGHT SIMULATION
USATRECOM-TR-64-69 N65-24254
- ENHANCING QUALITY OF IMAGERY INVESTIGATED USING
STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS
AMRL-TR-65-28 N65-30632
- NORTH AMERICAN AVIATION, INC., DOWNEY, CALIF.
INTERACTING FIELDS OF BIOLOGY AND ENGINEERING -
BIONICS AND BIOENGINEERING N65-16602
- ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
AND RADIATION PROTECTION
NASA-CR-62133 N65-21422
- RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-23007
- PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD
STRESS FOR INTERPRETATION OF DIFFERENCES IN
ACTION OF THERAPEUTIC DRUGS AT VARIOUS
ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20 N65-25254
- FEASIBILITY OF IDENTIFYING PERSONS BY ANALYZING
ACCELERATION AND PEN-PAPER CONTACT PATTERNS
GENERATED DURING SIGNATURE PROCESS
SID-65-24 N65-30559

NORTH AMERICAN AVIATION, INC., EL SEGUNDO,
CALIF.IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT -
LIFE SUPPORT SYSTEMS N65-34620RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND
ALPHA PARTICLES - RADIATION DOSE CALCULATIONS
N65-34632RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL
METHODS OF COMPUTING PRIMARY IONIZATION DOSES -
RADIATION DOSE CALCULATIONS N65-34633NORTH AMERICAN AVIATION, INC., LOS ANGELES,
CALIF.INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788SURVIVAL, SEARCH, AND RESCUE OPERATION
TRAINING TECHNIQUES FOR GENERAL AVIATION
PILOTS AND AIRCRAFT OWNERS N65-29753

NORTH CAROLINA COLL., DURHAM.

ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL
GROWTH OF TOBACCO STEM SEGMENTS
NASA-CR-59238 N65-32090

NORTH CAROLINA STATE COLL., RALEIGH.

RADIATION AND GRAVITATIONAL EFFECT ON WASPS AND
SHRIMP - ANIMAL STUDY
NASA-CR-63829 N65-28538

NORTH CAROLINA UNIV., CHAPEL HILL.

DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF
PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS
ESD-TDR-64-192 N65-25943STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION
MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD
TO ERROR PROBABILITIES - DERIVATION OF BETA
BINOMIAL PROBABILITY FUNCTION
ESD-TDR-64-605 N65-26109NUMBER OF TERMINAL ACTS AND PRIOR INFORMATION
EFFECTS ON SEQUENTIAL INFORMATION SEEKING -
DECISION THEORY
ESD-TDR-64-606 N65-26121

NORTHROP CORP., HAWTHORNE, CALIF.

PEROGNATHUS INVESTIGATED AS EXPERIMENTAL ORGANISM
FOR SPACE BIOLOGY RESEARCH
NASA-CR-59706 N65-12413

NORTHROP SPACE LABS., HAWTHORNE, CALIF.

RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL
AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378BIOLOGICAL RHYTHMS IN POCKET MICE
NASA-CR-50597 N65-16436GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63 N65-16880STERILIZATION OF SPACE PROBES USING DRY HEAT
NASA-CR-60875 N65-17509APPLICATIONS OF AEROSPACE MEDICAL RESEARCH TO
NEUROPHYSIOLOGICAL REHABILITATION
N65-18532DECELERATION EFFECTS ON MAN AND ANIMAL SUBJECTS -
CHIMPANZEES SUBJECTED TO HIGH G FORCE ON ROCKET
SLED AND EFFECT OF VARIOUS DECELERATION FACTORS
ON HUMAN RESTRAINED BY STRAPS
AD-609412 N65-19676HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED N65-19677ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP -
EFFECT ON MOTION AND POSITION, AND SAFETY
PROBLEMS OF HIGH G FORCE N65-19678INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL
ORGANISM FOR RESEARCH IN SPACE BIOLOGY -
REPRODUCTIVE CYCLES, BREEDING AND REARING INCAPTIVITY
NASA-CR-62556 N65-23002ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
TRANSFER IN SPACE SUIT
NASA-CR-63144 N65-25269INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR
BODY TEMPERATURE CONTROL
NASA-CR-63399 N65-26418REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS
NSL-65-23-1 N65-34281

NORTHROP SPACE LABS., HUNTSVILLE, ALA.

APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT
MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT
VEHICLE
NASA-CR-61079 N65-29966

NORTHWESTERN UNIV., EVANSTON, ILL.

AUDIOLOGICAL RESEARCH PROJECT PROGRESS REPORT -
AUDITORY FUNCTION OF IMPAIRED HEARING
AD-465819 N65-30534NUCLEAR SCIENCE AND ENGINEERING CORP.,
PITTSBURGH, PA.RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTUBIOCHEMISTRY - ABIOTIC GENESIS
NASA-CR-63560 N65-27062OAK RIDGE INST. OF NUCLEAR STUDIES, INC.,
TENN.RADIATION MEDICINE - USE OF RADIATION IN CLINICAL
DIAGNOSIS, RADIATION INJURY, DETECTING
RADIOACTIVITY, AND RADIOSENSITIVITY
GRINS-49 N65-25657GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION
N65-25658HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING N65-25659ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED
BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660PREVENTION OF INFECTIONS AND HEMORRHAGIC
MANIFESTATIONS FOLLOWING SEVERE RADIATION
DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES
N65-25661SHIFT IN DISTRIBUTION OF BODY NITROGEN IN
IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663FORTRAN PROGRAM FOR IBM 1620 COMPUTER TO
CALCULATE ISORESPONSE AND VOLUME RESPONSE OF
DETECTOR-COLLIMATOR SYSTEM N65-25664THERMOLUMINESCENT DOSIMETRY USED TO MEASURE
TOTAL BODY IRRADIATION N65-25665WHOLE-BODY IRRADIATION SCANNER SYSTEM USING
THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE N65-25667AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM
N65-25668

OAK RIDGE NATIONAL LAB., TENN.

REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR

ROCKET REACTOR	N65-10875	INFORMATION PROCESSING PROPERTIES OF RETINA IN FRGG	N65-32303
PROTON IRRADIATION EFFECT ON LIVING TISSUE	N65-17289	AMRL-TR-65-24	
NASA-CR-52679		EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH LUMINANCES	N65-33405
RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS TO RADIATION	N65-25582	SAH-TR-65-12	
ORNL-3820		OHIO STATE UNIV., COLUMBUS.	
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY OF RADIOACTIVE MATERIAL IN COMPARTMENTED SYSTEM	N65-25848	ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD PRESSURE, AND NET OXYGEN COST	N65-10119
ORNL-3809		NASA-CR-59419	
MORTE CARLO COMPUTER PROGRAM FOR CALCULATION OF ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS AS FUNCTION OF TISSUE SLAB DEPTH	N65-27877	BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT CONTROL	N65-12132
NASA-CR-63754		AMRL-TR-64-95	
THEORETICAL EVALUATION OF ABSORBED RADIATION DOSE IN TISSUE - EFFECTS OF SHELL CORRECTIONS TO STOPPING POWER IN DOSE STUDIES	N65-32829	TEAM TRAINING IN SIMULATED RADAR-CONTROL INTERCEPTION TASK	N65-16173
ORNL-P-659		NAVTRADEVCE-1327-1	
LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS	N65-34582	ANALYTIC APPROACH TO HUMAN ENGINEERING ANALYSIS AND PREDICTION OF SYSTEM MAINTAINABILITY FOR AIRCRAFT CONSTRUCTION	N65-17138
CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY	N65-34596	AMRL-TR-64-115	
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF CURRENT-TO-DOSE CONVERSION FACTORS	N65-34597	EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE	N65-22195
VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE	N65-34598	NASA-CR-56876	
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO SPACE RADIATION - HIGH ENERGY PROTONS	N65-34607	INFLUENCE OF EXPERIENCE AND INPUT INFORMATION FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN SIMULATED THREAT-DIAGNOSIS SYSTEM	N65-27188
GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD CELLS	N65-36114	AMRL-TR-65-25	
OFFICE OF NAVAL RESEARCH, WASHINGTON, D. C.		IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND 1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND LIVER TISSUE ENZYME ACTIVITIES	N65-27575
NAVTRADEVCE-1H-19	N65-16753	AMRL-TR-65-19	
AUDITORY INFORMATION PROCESSING - SIGNAL DETECTABILITY THEORY APPLIED TO AUDITORY SENSORY RESPONSES	N65-16816	OKLAHOMA CITY UNIV., OKLA.	
NASA-CR-60441		METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT SIMULATED HIGH ALTITUDE	N65-15372
HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH SPEED FLIGHT - PILOT TASK LOADING, FUNCTION ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION	N65-27205	NASA-CR-60338	
AD-460918		EFFECTS OF DISCONTINUOUS EXPOSURE TO HIGH OXYGEN LOW PRESSURE ENVIRONMENT ON RATS - AEROSPACE MEDICINE	N65-28346
OHIO STATE UNIV. RESEARCH FOUNDATION, COLUMBUS.		NASA-CR-63790	
INFORMATION THEORY APPLIED TO NEURAL NETS AND MOTOR AND VISUAL NERVOUS SYSTEMS	N65-11898	OKLAHOMA UNIV. RESEARCH INST., NORMAN.	
AMRL-TR-64-80		CORRELATION BETWEEN LINEAR ENERGY TRANSFER AND ABSORBED RADIATION DOSE, AND RELATIVE BIOLOGICAL EFFECTIVENESS IN YEAST	N65-25107
RADIOACTIVE NUCLIDES FOR CLINICAL RADIOGRAPHY	N65-13532	NASA-CR-67239	
REPT.-5		OREGON STATE UNIV., CORVALLIS.	
BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL MAMMALS IN GASEOUS TEST CHAMBER	N65-17056	TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND EFFECTS ON GLUCOSE METABOLISM BY RATS	N65-17909
NASA-CR-51657		AMRL-TR-64-112	
BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS ENVIRONMENTS	N65-17057	HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER	N65-19151
NASA-CR-53543		AMRL-TR-64-111	
BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT	N65-19871	EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN AMINES AND AMINO ACIDS	N65-24417
NASA-CR-57477		AMRL-TR-64-113	
POSITIVE AFTERIMAGE AND MEASUREMENT OF LIGHT AND DARK ADAPTATION	N65-27798	OSTERREICHISCHE STUDIENGESellschaft FÜR ATOMENERGIE G.M.B.H., SEIBERSDORF /AUSTRIA/.	
AD-610733		BONDING OF METAL IONS TO NUCLEIC ACIDS FROM HUMAN SPLEEN	N65-20198
		SGAE-BL-14	
		CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL YEAST THROUGH COBALT 60 IRRADIATION	N65-22964
		SGAE-BL-12/1964	
		OTIS ELEVATOR CO., BROOKLYN, N. Y.	
		TRANSFER OF TRAINING IN PERFORMANCE OF DYNAMIC TRACKING TASKS OF VARYING COMPLEXITY IN ADAPTIVE AND NONADAPTIVE MODES - PSYCHOLOGY	N65-16106
		NAVTRADEVCE-1395-1	

P

PALO ALTO MEDICAL RESEARCH FOUNDATION, CALIF.
OXYGEN DELIVERY RATE OF HUMAN BLOOD
SAM-TR-64-89 N65-24592

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
CELLULAR BIOPHYSICS - IONIZING RADIATION EFFECT ON
GENETICS, CELL MUTATION, AND MUTAGENIC NATURE OF
TRITIUM DECAY
NASA-CR-59196 N65-10112

IONIZING RADIATION EFFECTS ON GENETIC
TRANSCRIPTION N65-10113

PROTON TUNNELING AND OTHER MECHANISMS OF
MUTATION N65-10114

BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM
COMPOUNDS N65-10115

BODY-CHARACTERISTICS EFFECT ON HUMAN TEMPERATURE
RESPONSES TO HIGH ALTITUDE COLD
AD-422588 N65-15129

PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND
DIVISIONS
NASA-CR-62925 N65-24575

CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3 N65-36307

PHILCO CORP., BLUE BELL, PA.
SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADCR-TR-65-184 N65-34570

PHILCO CORP., WILLOW GROVE, PA.
CORRELATIONAL STUDY OF MYOPOTENTIAL RESPONSE AND
FORCE OF MUSCLE CONTRACTION DURING VARYING
ACTIVITY DEMANDS
REPT.-2386 N65-25529

PHILLIPS PETROLEUM CO., IDAHO FALLS, IDAHO.
HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF
PERSONNEL BEHAVIOR UNDER FIELD WORKING
CONDITIONS - CONTROL SURVEILLANCE SYSTEM
IDO-17074 N65-25435

PICATINNY ARSENAL, DOVER, N. J.
HEALTH HAZARDS OF SMOKE DYES IN CURRENT USE
PA-TM-1674 N65-34680

PISA UNIV. /ITALY/.
COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL
ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL
NOISE, AND ELECTRORETINOGRAMS
AFOSR-65-0039 N65-21449

PITTSBURGH UNIV., PA.
BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM -
HUMAN PERFORMANCE
AMRL-TR-64-108 N65-19150

LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION
AMRL-TR-64-114 N65-19602

REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED
INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128 N65-21048

PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129 N65-24418

INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR
PERFORMANCE - SIGNAL DETECTION AND TASK
COMPLEXITY
AD-605713 N65-25770

POLYTECHNIC INST. OF BROOKLYN, N. Y.
PSEUDO-RANDOM DOT SCAN TELEVISION SYSTEMS
AD-463037 N65-31833

PRESBYTERIAN-ST. LUKES HOSPITAL, CHICAGO, ILL.
STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56 N65-22075

INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18 N65-30745

PRINCETON UNIV., N. J.
INTERACTION OF LIMITED VARIABLES IN SEQUENTIAL
MEMORY TASKS WITH CHANGING INFORMATION AND
INTERFERENCE EFFECTS IN VERY SHORT-TERM MEMORY
AROD-5038-2 N65-30099

PRODUCTION GROUP, UNITED KINGDOM ATOMIC ENERGY
AUTHORITY, ANNON /SCOTLAND/.
HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT
AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER
RADIATION EXPOSURE
PG-647/CC/ N65-25935

PUBLIC HEALTH SERVICE, ATLANTA, GA.
HUMAN INTESTINAL FLORA - MICROORGANISMS
N65-18586

PUBLIC HEALTH SERVICE, CINCINNATI, OHIO.
ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN
AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS -
MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING
SOLIDS TO SMALL PARTICLES
NASA-CR-64834 N65-33537

PUBLIC HEALTH SERVICE, PHOENIX, ARIZ.
DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116

PUBLIC HEALTH SERVICE, WASHINGTON, D. C.
BACTERIAL DISSEMINATION, REDUCTION OF
CONTAMINATION ON SURFACES, AND GERMICIDAL
ACTIVITY OF ETHYLENE OXIDE
NASA-CR-57148 N65-18915

BACTERIA DISSEMINATION REDUCTION, ETHYLENE OXIDE
GERMICIDAL ACTIVITY, AND BACTERIA CONTAMINATION
REDUCTION ON SURFACES
NASA-CR-63895 N65-29171

PURDUE UNIV., LAFAYETTE, IND.
BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615

MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF
POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN
EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL
STRESS ON HUMAN PERFORMANCE
AMRL-TR-65-39 N65-32928

Q

QUEENS COLL., FLUSHING, N. Y.
REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
AD-609676 N65-29152

R

RADIATION RESEARCH ASSOCIATES, INC.,
FORT WORTH, TEX.
MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS
RRA-T45 N65-22222

RADIO CORP. OF AMERICA, PRINCETON, N. J.
MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES
IN LIFE SCIENCES AND HUMAN ENGINEERING
AMRL-TR-65-3 N65-22477

RAND CORP., SANTA MONICA, CALIF.
ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE
ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND
ALGAE SYSTEMS
P-3009 N65-16517

PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION
FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN
MALE - MATHEMATICAL MODEL
RM-4347-PR N65-23037

CORPORATE SOURCE INDEX

ROYAL INST. OF TECH., STOCKHOLM /SWEDEN/.

- COMPUTER METHOD FOR NEUROPHYSIOLOGICAL RESEARCH
P-3057 N65-27906
- MATHEMATICAL MODEL USED TO EXAMINE
PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS
IN WHICH HUMAN BODY CONTROLS FLUID AND
ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR N65-31199
- MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN
AUTOMATIC CHECKOUT OF SPACE VEHICLES
NASA-CR-67371 N65-35577
- PROBABILITY OF VISUAL DETECTION OF RECONNAISSANCE
AIRCRAFT BY GROUND OBSERVERS
RM-4562-PR N65-35947
- RAND DEVELOPMENT CORP., CLEVELAND, OHIO.
NONEXTENSION LINES FOR IMPROVEMENT OF MOBILITY
IN FULL PRESSURE SUITS
AMRL-TR-64-118 N65-17139
- REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS
NASA-CR-64641 N65-33251
- RCA SERVICE CO., INC., CAMDEN, N. J.
VIABILITY MONITOR TO OBTAIN FACTUAL QUANTITATIVE
INFORMATION ON PHYSIOLOGICAL RESPONSES OF
INDIVIDUALS
AMRL-TDR-62-98 /III/ N65-14491
- REPUBLIC AVIATION CORP., FARMINGDALE, N. Y.
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES
USING SPACE-TYPE DIETS
AMRL-TR-64-107 N65-14829
- CULTURES OF ANAEROBIC ORGANISMS OF HUMAN WASTE
NASA-CR-52232 N65-16432
- HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND
METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE
TRACT
NASA-CR-57812 N65-21309
- HUMAN FECAL BACTERIA ISOLATION AND METABOLIC
STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
NASA-CR-62108 N65-21390
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVCE-1444-1 N65-33459
- SIMULATION OF CLOSED ATMOSPHERES FOR SPACE FLIGHTS
N65-33631
- QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
- RESOURCES RESEARCH, INC., WASHINGTON, D. C.
RADIOISOTOPIC BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE
NASA-CR-55529 N65-16276
- RADIOISOTOPIC BIOCHEMICAL PROBE OF MICROORGANISMS
FOR EXTRATERRESTRIAL LIFE
NASA-CR-55535 N65-16478
- RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III
MODEL
NASA-CR-56214 N65-16497
- ROCHESTER UNIV., N. Y.
RADIATION HAZARD TO MAN FROM IODINE 131
UR-653 N65-12340
- MICROORGANISM MEASUREMENT IN WOLF TRAP BY
LIGHT SCATTERING METER - LIFE DETECTOR
N65-16611
- EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS
UR-661 N65-22992
- FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN
NORMAL ACUTELY BLED DOGS
UR-662 N65-23105
- PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY
EXPOSURE OF STAINED BLOOD FILMS
UR-663 N65-24622
- ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY
ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF
PLUTONIUM-BEARING WEAPON SIMULANT
UR-665 N65-28325
- HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666 N65-29243
- EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM
THICKNESS ON 1000 KPV X-RAY DEPTH DOSE
UR-667 N65-29886
- RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS
UR-668 N65-33020
- ROCKETDYNE, CANOGA PARK, CALIF.
HUMAN FACTOR ENGINEERING - BIBLIOGRAPHY
RH-3398-H N65-15537
- EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND
SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY
RH-3398-J N65-20726
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES
N65-29770
- ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB,
N. Y.
MISREGISTRATION IN COLOR ADDITIVE DISPLAYS - HUMAN
ENGINEERING
RADC-TDR-64-488 N65-17906
- EFFECT OF EXPOSURE TIME AND INTENSITY ON FORM
IDENTIFICATION - DISPLAY SYSTEMS
RADC-TR-65-16 N65-22252
- PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR
INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF
COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL
ASPECTS OF IMAGERY AND CONTENT
RADC-TDR-64-326 N65-23083
- EFFECT OF VERTICAL SYMBOL RESOLUTION ON SPEED OF
IDENTIFICATION OF TELEVISION LETTERS AND NUMBERS
RADC-TR-65-239 N65-34571
- ROTHAMSTED EXPERIMENTAL STATION, HARPENDEN
/ENGLAND/.
PROBLEMS OF SAMPLING FOR MICROORGANISMS IN
ATMOSPHERE
N65-23995
- ROYAL AIRCRAFT ESTABLISHMENT, FARNBOROUGH
/ENGLAND/.
MAN-MACHINE ANTHROPOMECHANIC SYNERGY DEPENDENCE
UPON COMMUNICATION
N65-28451
- WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE
CLOTHING
RAE-TN-MECH-ENG-400 N65-29605
- ROYAL INST. OF TECH., STOCKHOLM /SWEDEN/.
SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS -
INSTRUMENTATION, NASAL CAVITY STRUCTURES,
ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND
BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964 N65-23850
- RECORDING AND ANALYSIS OF VOCAL TRACT FREQUENCY
RESPONSE BY SWEEP TONE METHOD
STL-QPSR-1/1965 N65-27020
- SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS

CORRELATED WITH SPEECH WAVE DATA AND
PHYSIOLOGICAL STRUCTURES
AFCRL-65-272 N65-30196

RUTGERS UNIV., NEW BRUNSWICK, N. J.
PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS
DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514

S

SALPETRIERE HOSPITAL, PARIS /FRANCE/.
TOPOLOGICAL ASPECTS OF DATA PROCESSING RELATED
TO ELECTRICAL ACTIVITY OF BRAIN
N65-28754

SAN DIEGO STATE COLL., CALIF.
RAPID DECOMPRESSION OF PRIMATES TO NEAR VACUUM
CONDITIONS FOR RECOVERY OF ABILITY TO PERFORM
COMPLEX TASKS PRIOR TO DECOMPRESSION
SAM-TDR-64-42 N65-16878

SANDIA CORP., ALBUQUERQUE, N. MEX.
PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD
CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668

MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47 N65-19646

SANDY HOOK MARINE LAB., BUREAU OF SPORT
FISHERIES AND WILDLIFE, HIGHLANDS, N. J.
REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR
MEASURING CHARACTERISTICS OF PHYSICAL
ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY
N65-30381

SCHOOL OF AEROSPACE MEDICINE, BROOKS AFB, TEX.
ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED
ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
AD-451065 N65-11421

PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422

REDUCTASE ACTIVITY AND SULFHYDRYLS IN
DEHYDROGENASE HISTOCHEMISTRY OF HUMAN GINGIVA
SAM-TDR-64-48 N65-12007

EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454

BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES
FROM HEAT EXCHANGES OF PRESSURIZED SUITS
SAM-TDR-64-66 N65-16299

POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438

PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM
IN HEALTHY MALE HUMANS N65-18377

SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING
PERFORMANCE DURING SIMULATED TACTICAL AIR
MISSION N65-18379

THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387

DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION N65-18583

PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE
FLIGHT N65-18593

GALVANIC SKIN RESPONSE RECORDING APPARATUS
AD-610222 N65-18684

RESISTANCE INDUCTION TO MOTION SICKNESS BY
REPEATED EXPOSURE TO CORIOLIS STIMULATION
SAM-TR-64-87 N65-22076

POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND
EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES
SAM-TR-64-75 N65-23589

GAS CHROMATOGRAPHY IN CONJUNCTION WITH MODIFIED
VAN SLYKE APPARATUS FOR DETERMINING SMALL
VOLUMES OF NITROGEN IN DISSOLVED BLOOD
SAM-TR-65-6 N65-23841

SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TR-63-30 N65-25204

RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN
AND BONE MARROW AFTER TOTAL BODY IRRADIATION -
VITRO ASSAY SYSTEM
SAM-TR-65-14 N65-26240

STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241

CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION
INTERACTION AND INDEPENDENT EFFECTS ON
BREATHING - RESPIRATION STIMULANTS IN ARTERIAL
BLOOD
SAM-TR-64-94 N65-26242

FATIGUE EFFECTS ON PILOT PERFORMANCE AFTER 24 HOUR
SIMULATED TRANSPORT FLIGHT
SAM-TR-65-16 N65-26570

COMMERCIAL MODEL GAS CHROMATOGRAPHY FOR
PHYSIOLOGIC GAS ANALYSIS AT HIGH ALTITUDE
SAM-TR-65-2 N65-26617

AGING EFFECT ON PROTECTIVE POTENCY OF STANNOUS
FLUORIDE SOLUTION - DENTISTRY
SAM-TR-65-15 N65-26618

COMPUTER PROGRAMMING OF HEART-RATE PATTERNS
INCLUDING BASE HEART RATE AND RESPIRATORY AND
NONRESPIRATORY HEART-RATE REFLEX ACTIVITY
N65-28761

OBSERVATION AND CATEGORIZING AND RATING OF COPING
DEVICES FOR USE IN AIRCREW SELECTION
AD-617745 N65-30098

CARDIOVASCULAR AND PSYCHOGALVANIC SKIN
RESPONSE MONITORING DEVICES - ELECTRONIC
MICROINSTRUMENTATION IN DENTISTRY
SAM-TR-64-90 N65-30496

EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887

HEART RATE MONITORING AND ANALYSIS DURING SPACE
ENVIRONMENT SIMULATION
SAM-TR-65-26 N65-31620

POSTFLIGHT URINARY DETERMINATIONS USED FOR
EVALUATING FLIGHT STRESS IN PILOTS IN RELATION
TO FLYING PROFICIENCY
SAM-TR-64-88 N65-31787

SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID
FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677

BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678

MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679

CONSTRUCTION AND OPERATION OF SMALL ANIMAL
CENTRIFUGE FOR CARRYING OUT EXPOSURES TO
GRAVITATIONAL FIELD
SAM-TR-65-23 N65-33738

EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE
HYDRUBROMIDE ANTIRADIATION DRUG ON GLUCOSE

OXIDATION BY RAT SPLEEN AND BONE MARROW SUSPENSIONS SAM-TR-65-29	N65-34260	STL-9990-6397-RU-000	N65-27158
ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT MONITORING SAM-TR-65-18	N65-34266	SPACE/DEFENSE CORP., BIRMINGHAM, MICH. RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION STRESSES NASA-CR-236	N65-32926
CLINICAL MANAGEMENT OF CHIMPANZEE COLONY SAM-TDR-64-45	N65-34515	SPACO, INC., HUNTSVILLE, ALA. ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND ENGINEERING NASA-CR-67336	N65-35409
VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE DETERMINATION - AEROSPACE MEDICINE SAM-TR-65-27	N65-35036	ST. LOUIS UNIV., MO. PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE RADIATION ON HIBERNATORS NASA-CR-50546	N65-17058
SCHOOL OF AVIATION MEDICINE, RANDOLPH AFB, TEX. AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE CABIN SIMULATOR, AND DYNAMIC RESPONSE AD-612636	N65-25895	CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT DURING ENVIRONMENTAL CHANGES AMRL-TR-65-23	N65-34134
QUANTITATIVE DETERMINATION OF ANTIGEN CONCENTRATION BY RELATING IMMUNELECTROPHORETIC PRECIPITIN ARC POSITION TO ANTIGEN AND ANTIBODY ORIGINS SAM-TR-64-92	N65-34417	STANFORD RESEARCH INST., MENLO PARK, CALIF. DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN MACROMOLECULES OF BIOLOGICAL INTEREST WITH MAGNETIC SUSCEPTIBILITY NASA-CR-60122	N65-14803
SCIENTIFIC COMMITTEE ON THE EFFECTS OF ATOMIC RADIATION /UN/. CONTAMINATION OF ENVIRONMENT BY NUCLEAR EXPLOSIONS AND ASSESSING RISK OF INDUCTION OF MALIGNANCIES BY RADIATION IN MAN	N65-24618	HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION, USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS NASA-CR-52090	N65-16984
SERENDIPITY ASSOCIATES, LOS ANGELES, CALIF. SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK COMPLEXITIES FOR OPERATIONAL CREWS NASA-CR-146	N65-14449	APPLICATION OF BEHAVIORAL SCIENCES TO RESEARCH MANAGEMENT IMU-3580	N65-18294
SOLID STATE RADIATIONS, INC., LOS ANGELES, CALIF. PERSONNEL DOSIMETRY SYSTEM FOR APOLLO NASA-CR-65071	N65-30920	OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED BUG, LIXUS, AND TENEBRIO AFOSR-65-0042	N65-27933
MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS NASA-CR-65072	N65-30921	FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL TRAINING, AND USE OF CDC 160-A COMPUTER TO TEACH PSYCHOMOTOR TASK NAVTRADEVCE-1517-1	N65-31206
MINIATURE DOSIMETER FOR APOLLO PROJECT ASTRONAUTS NASA-CR-65157	N65-36441	TRANSDUCER TO MEASURE BLOOD PRESSURE FOR APPLICATION ON SUPERFICIAL TEMPORAL ARTERY NASA-CR-293	N65-32277
SOUTHERN INTERSTATE NUCLEAR BOARD, ATLANTA, GA. PASTEURIZATION OF FRUITS BY IRRADIATION FOR REDUCING SPOILAGE AND EXTENDING MARKET LIFE - FOOD TECHNOLOGY TID-21710	N65-27607	HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST EXTRACTS FROM SPINACH NASA-CR-67374	N65-35580
SPACE AND FLIGHT EQUIPMENT ASSOCIATION, ROLLING HILLS, CALIF. MANNED SPACE FLIGHT - OXYGEN SYSTEMS AND EQUIPMENT - SURVIVAL, SEARCH, AND RESCUE - ESCAPE, PARACHUTES, AND EQUIPMENT - SAFETY - PROTECTIVE CLOTHING AND RESTRAINT EQUIPMENT	N65-29750	BASIC STUDIES ON TACTILE PERCEPTION AND COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS, INSTRUMENTATION, AND EQUIPMENT NASA-CR-322	N65-36764
SPACE TECHNOLOGY LABS., INC., LOS ANGELES, CALIF. HUMAN ENGINEERING FOR PROLONGED SPACE FLIGHTS AD-608798	N65-16793	STANFORD UNIV., CALIF. OXYGEN SUPPLY OF HEART DURING RESPIRATION AT EXCESS PRESSURE	N65-13656
SPACE TECHNOLOGY LABS., INC., REDONDO BEACH, CALIF. MANUAL CONTROL METHODOLOGY - STUDY WITH ANNOTATED BIBLIOGRAPHY NASA-CR-125	N65-11019	SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE ACTIVITY MEASURED BY FLUORESCENT ASSAY NASA-CR-50919	N65-16278
TECHNIQUES FOR PARAMETER DETERMINATION IN MATHEMATICAL MODELS OF HUMAN PILOT NASA-CR-143	N65-14848	PERMEABILITY IN GAS-MEMBRANE-GAS SEPARATION SYSTEMS NASA-CR-51103	N65-16326
BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE, ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND CONTAMINATION PROBLEMS - EXOBIOLOGY STL-9990-6737-KU-000	N65-19834	EXTRATERRESTRIAL LIFE DETECTION INSTRUMENTATION - MULTIVATOR NASA-CR-51096	N65-16328
FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL CONTROL SYSTEM		PROBABILISTIC MODEL FOR FREE RESPONDING AFOSR-65-0288	N65-22808
		COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL ACTIVITY INCLUDING BACKGROUND EEG AND REACTION TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS	N65-28777
		PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS, DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100 MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,	

- LYSOZYME, AND CYTOCHROME C SPECTRA
NASA-CR-58662 N65-29650
- TELESTIMULATOR SYSTEMS FOR OBSERVATION OF
PHYSIOLOGICAL RESPONSES OF SUBJECTS RECEIVING
ELECTRIC STIMULATION OF BRAIN N65-34005
- STANLEY AVIATION CORP., DENVER, COLO.
DYNAMIC MODEL TECHNIQUE FOR ANALYSIS OF HUMAN
TOLERANCE TO ACCELERATION
NASA-TN-D-2645 N65-19903
- STATE UNIV. OF IOWA, IOWA CITY.
MULTICHANNEL TOPOSCOPE AS COMPUTER INTERFACE
IN STUDY OF EEG N65-28765
- STATE UNIV. OF NEW YORK AT BUFFALO.
SYNTHESIS OF AMINO ACIDS AND POLYPEPTIDES
NASA-CR-53134 N65-17054
- SUD-AVIATION, PARIS /FRANCE/.
MAN-MACHINE RELATIONSHIP - SUPERSONIC CONCORDE
AIRCRAFT AERODYNAMIC CHARACTERISTICS AND
SYSTEMS ANALYSIS N65-28456
- SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIF.
METHODOLOGY FOR USE WITH OPERATIONS SIMULATION FOR
CRITICAL TASK-PERFORMANCE VARIABLES
SP-1761/000/00 N65-15317
- SYSTEM RESEARCH, LTD., RICHMOND /ENGLAND/.
STRESS AND OVERLOAD EFFECTS ON GROUP DECISION
MAKING AND COMMUNICATION PATTERNS - PARTICIPANT
FUNCTIONING AS SELF-ORGANIZING SYSTEM
QTSR-1 N65-30512
- SYSTEMS TECHNOLOGY, INC., HAWTHORNE, CALIF.
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946
- DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- SYSTEMS TECHNOLOGY, INC., INGLEWOOD, CALIF.
THEORY AND SIMULATION OF PILOTED LONGITUDINAL
CONTROL IN CARRIER APPROACH
STI-TR-130-1 N65-26994
- T**
- TACTICAL AIR COMMAND, LANGLEY AFB, VA.
HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES
TAC-TR-63-18 N65-16669
- ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL
FLIGHT SUIT FOR PROTECTION FROM COLD DURING
IMMERSION IN WATER
TAC-TR-63-31/D/ N65-27567
- OPERATIONAL TEST AND EVALUATION OF HGU-15/P
FLYING HELMET FOR AIRCREW
TAC-TR-63-31/H/ N65-27637
- TECHNISCH DOCUMENTATIE EN INFORMATIE CENTRUM
VOOR DE KRIJGSMACHT, THE HAGUE /NETHERLANDS/.
ANNOTATED BIBLIOGRAPHY ON EFFECTS OF RADIATION
ABSORPTION ON ANIMALS, FLIGHT MEDICINE,
PSYCHOLOGY, PSYCHIATRY, PHYSIOLOGY, AND HUMAN
PATHOLOGY N65-21202
- TECHNISCHE HOCHSCHULE AACHEN /WEST GERMANY/.
DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS
AND AMMONOLYSIS N65-23936
- TECHNISCHE HOCHSCHULE MUNCHEN /WEST GERMANY/.
COMBINED MONOCHROMATIC LIGHT WAVELENGTH EFFECTS ON
PHOTOSYNTHESIS IN ALGAE
AFOSR-64-1650 N65-11325
- TECHNOLOGY, INC., DAYTON, OHIO.
VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT
EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC
STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED
BIBLIOGRAPHY ON EJECTION-RELATED INJURIES
TI-65-041 N65-28352
- TELEDYNE SYSTEMS CORP., HAWTHORNE, CALIF.
ADVANCED CONCEPTS IN BIOTECHNOLOGY, HUMAN ANALOGS
AND BIONICS - HUMAN ANALOG OF VISUAL SENSOR
PROVIDED INFORMATION ON MECHANISMS AND PROCESSES
CARRIED OUT IN HUMAN EYE
NASA-CR-64177 N65-31050
- TENNESSEE UNIV., KNOXVILLE.
ELECTROANESTHESIA IN LARGE ANIMALS N65-16630
- TENNESSEE UNIV., MEMPHIS.
PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF X-RAY
IRRADIATED DOGS TO INDUCED MUSCULAR CONTRACTIONS
OF HIND LEGS IN VIVO
TID-20979, ADDEND. N65-30567
- TEXAS A&M RESEARCH FOUNDATION, COLLEGE
STATION.
BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS
OF CATARACTOGENIC METHODS
SAM-TDR-64-19 N65-26243
- TEXAS CHRISTIAN UNIV., FORT WORTH.
EFFECTS OF GROUP, ENVIRONMENT, AND WEATHER
VARIABLES ON HUMAN BEHAVIOR
AD-607810 N65-14420
- DIMENSIONAL DESCRIPTIONS OF PHYSICAL AND SOCIAL
STIMULUS VARIABLES INFLUENCING BEHAVIOR
VARIANCE - PSYCHOLOGY
AC-602369 N65-21854
- TEXAS INST. FOR REHABILITATION AND RESEARCH,
HOUSTON.
LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST
NASA-CR-171 N65-17876
- PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN
NASA-CR-172 N65-18500
- COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
NASA-CR-174 N65-18501
- VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502
- BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- CARDIAC AND VENTILATORY RESPONSE TO BICYCLE
ERGOMETER TEST
NASA-CR-177 N65-20472
- EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473
- BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182 N65-20474
- EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159
- BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820
- EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT
NASA-CR-175 N65-33542

TEXAS TECHNOLOGICAL COLL., LUBBOCK.
CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM
PERIODICITY EFFECTS ON TASK PERFORMANCE IN
INDUSTRY
AD-611788 N65-22678

TEXAS UNIV., AUSTIN.
GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL,
AND PHOTOSYNTHETIC GAS EXCHANGER STUDY
SAM-TDR-64-52 N65-16879

PHOTOSYNTHESIS AS REGENERATION SYSTEM FOR SPACE
FLIGHT N65-18591

STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF
ESCHERICHIA COLI
NASA-CR-58980 N65-29416

TEXAS UNIV., DALLAS.
GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR
ORGANISMS AND MICROSCOPIC TECHNIQUES FOR
OBSERVING LIVING CELLS
NASA-CR-51799 N65-15368

TEXAS UNIV., HOUSTON.
THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387

TEXAS WOMENS UNIV., DENTON.
SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373

TRACOR, INC., AUSTIN, TEX.
MECHANISM AND PROBLEMS OF BINAURAL INTERACTION -
ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY
TRACOR-64-199-U N65-15031

TWO INVESTIGATIONS IN BINAURAL INTERACTIONS
CONCERNED WITH DETECTABILITY AS FUNCTION OF
INTERNAURAL INTENSITY DIFFERENCES
TRACOR-65-181-U N65-28194

TRW SEMICONDUCTORS, INC., LANWDALE, CALIF.
VERY HIGH FREQUENCY SILICON POWER TRANSISTOR
MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY
AND PROCESS MANUAL
TE-4000-15-F N65-19005

TUFTS UNIV., MEDFORD, MASS.
EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION
OF LOCATION
AFOSR-64-0938 N65-11157

PROCEDURAL CONSTRAINT AND TASK PERFORMANCE -
ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING
ESD-TR-64-663 N65-22466

PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299 N65-34557

U

UNION CARBIDE RESEARCH INST., TARRYTOWN, N. Y.
CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION
FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY
N65-34596

UNITED AIRCRAFT CORP., FARMINGTON, CONN.
LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM
SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL
ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS
NASA-CR-60273 N65-15187

UNITED AIRCRAFT CORP., WINDSOR LOCKS, CONN.
BIOLOGICAL APPLICATION OF TELEMETRY TECHNIQUES -
BIOTELEMETRY
NASA-SP-5023 N65-34001

APPLICATION OF SPACE TELEMETRY TO SURGICAL
TECHNIQUES N65-34003

DIAGNOSTIC MONITORING IN OFFICE PROCEDURES -
BIOTELEMETRY N65-34004

APPLICATION OF TELEMETRY SYSTEMS TO BIOLOGICAL
STUDY DUE TO MICROMINIATURIZATION N65-34006

UNITED KINGDOM ATOMIC ENERGY AUTHORITY,
AMERSHAM /ENGLAND/.
MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED
CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS
CONTROL OF RADIOLOGICAL HAZARD
RCC-R-178 N65-33014

UNITED KINGDOM ATOMIC ENERGY AUTHORITY,
HARWELL /ENGLAND/.
ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163

HEALTH ASPECTS OF PLUTONIUM HANDLING - RADIATION
HAZARDS, CONTROL, CONTAINMENT, MONITORING, AND
EMERGENCY PROCEDURES
AERE-L-151 N65-25164

PROPERTIES OF LOG NORMAL DISTRIBUTION AND
APPLICATION TO RADIATION PROTECTION
AERE-R-4736 N65-25647

UNITED KINGDOM ATOMIC ENERGY AUTHORITY,
RISLEY /ENGLAND/.
HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S/-R-64 N65-25154

UNITED NUCLEAR CORP., WHITE PLAINS, N. Y.
ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND
SPHERICAL MULTILAYER SHIELDING FOR CALCULATION
OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE
N65-34629

UNITED STATES RADIIUM CORP., MORRISTOWN, N. J.
SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756

UNIVERSITY COLL., CORK /IRELAND/.
ANIMAL STUDIES ON PURIFICATION PROCEDURES TO
ELIMINATE BACTERIAL CONTAMINATION
AD-444390 N65-10012

UTAH UNIV., SALT LAKE CITY.
DIFFERENT ROUTES OF CHALLENGE OF COXSACKIE B
VIRUS ON COLD STRESSED MICE
AAL-TDR-64-2 N65-18973

V

VANDERBILT UNIV., NASHVILLE, TENN.
INHIBITION OF OPERATING ABILITY BY TRAINING ON
RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL
DEVICE - INHIBITION TEST USING DESK CALCULATORS
TR-11 N65-16700

VIRGINIA INST. OF MARINE SCIENCE,
GLOUCESTER POINT.
AEROECOLOGICAL STUDY OF ALBATROSS FLIGHT
N65-12528

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON
MANNED SPACE FLIGHTS N65-18580

VIRGINIA UNIV., CHARLOTTESVILLE.
CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL
RESEARCH
HQARSC-TDR-64-1 N65-13216

MECHANISMS OF CONTROL OF CEREBRAL CIRCULATION AND
ARTERIAL CARBON DIOXIDE TENSION
NASA-CR-50682 N65-16430

BIOCHEMISTRY OF ERYTHROCYTES
AD-617518 N65-35942

W

WALTER REED ARMY INST. OF RESEARCH,
WASHINGTON, D. C.TIMING BEHAVIOR AND STIMULUS TRAINING ON TWO MALE
ALBINO RATS
NASA-CR-53693 N65-17052MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
INFANT RABBITS - HUMAN DISEASE N65-22294EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON
CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS N65-22304LIFE SUPPORT SYSTEMS TO REVERSE DEATH - USE OF
SMALL ARTIFICIAL HEART PUMP IN DOGS N65-22733MOLECULAR MECHANISMS OF ANTIMICROBIAL ACTION OF
ANTIBIOTICS - MOLECULAR BASIS FOR CHEMOTHERAPY N65-22762TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC
SHOCK IN DOGS N65-22763

WASHINGTON SCHOOL OF PSYCHIATRY, D. C.

USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS
AD-450861 N65-14679

WASHINGTON UNIV., SEATTLE.

ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346 N65-14761CULTURE MEDIUM FOR SURVIVAL AND REPRODUCTION OF
DAPHNIA WATER FLEA IN SEVEN DAY SPACE FLIGHT
NASA-CR-56112 N65-17053TRANSFER FUNCTION THROUGH HUMAN SKIN
AD-611281 N65-20121

WASHINGTON UNIV., ST. LOUIS, MO.

SUPPLY OF TRAINED PERSONNEL FOR ENGINEERING AND
SCIENCE
NASA-CR-27953 N65-27953

WEBB ASSOCIATES, YELLOW SPRINGS, OHIO.

QUANTITATIVE AND QUALITATIVE BIOASTRONAUTICAL
HUMAN FACTOR ANALYSIS
NASA-SP-3006 N65-15594

WEBER AIRCRAFT CORP., BURBANK, CALIF.

RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT
FOR F-106 JET AIRCRAFT N65-29761

WEST VIRGINIA UNIV., MORGANTOWN.

STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653

WESTINGHOUSE ELECTRIC CORP., ELMIRA, N. Y.

SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVEN-1440-1 N65-31622

WHIRLPOOL CORP., EVANSVILLE, IND.

HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED
SPACE FLIGHTS N65-18576

WHIRLPOOL CORP., ST. JOSEPH, MICH.

THERMOELECTRIC SYSTEM FOR WATER RECLAMATION FROM
URINE
AMRL-TR-65-29 N65-29615

WILMOT CASTLE CO., ROCHESTER, N. Y.

DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP
STERILIZATION SYSTEM IN TREATMENT OF COMPONENT
CONTAMINATION OF SPACECRAFT
NASA-CR-191 N65-18205

WINZEN RESEARCH, INC., MINNEAPOLIS, MINN.

LOW LEVEL BALLOON PILOT TRAINING AND QUALIFICATION
FLIGHTS
REPT.-1282-R N65-15709

WISCONSIN UNIV., MADISON.

ENERGY METABOLISM IN DOGS AND RATS DURING

IRREVERSIBLE HEMORRHAGIC SHOCK
AC-467957 N65-36174

WOODS HOLE OCEANOGRAPHIC INSTITUTION, MASS.

BIOLOGICAL SIGNIFICANCE OF BACTERIAL COUNTS IN
AQUATIC ENVIRONMENTS N65-23991

Y

YALE UNIV., NEW HAVEN, CONN.

REWARD MOTIVATION IN HUMAN BEHAVIOR -
PSYCHOLOGICAL TESTING
TR-1 N65-31969

YESHIVA UNIV., NEW YORK.

TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609 N65-29386EFFECTS OF SENSORY DEPRIVATION ON SPACE TRAVEL -
SENSORY, PERCEPTUAL, AND PHYSIOLOGICAL ASPECTS
N65-33628

YOUNGSTOWN UNIV., OHIO.

BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION
IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION
PROCESSES
QTR-3 N65-25572USE OF ENZYME, CARBONIC ANHYDRASE, FOR CARBON
DIOXIDE CONTROL IN SPACECRAFT
QTR-1 N65-26316

Z

ZARET FOUNDATION, INC., SCARSDALE, N. Y.

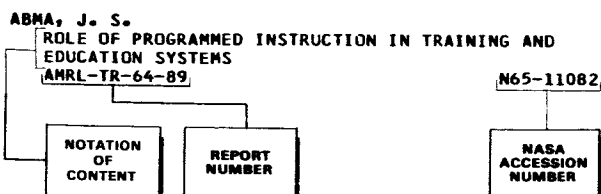
SPECTROPHOTOMETRY TO DETECT CATARACTS IN HUMAN EYE
CAUSED BY MICROWAVE RADIATION
RADG-TDR-64-273 N65-14007

Personal Author Index

AEROSPACE MEDICINE AND BIOLOGY / a continuing bibliography
1965 Cumulative Index

APRIL 1966

Typical Personal Author Listing



The Notation of Content (NOC), rather than the title of the document, is used to provide a more exact description of the subject matter. The NASA, AIAA, or LC accession number is included in each entry to assist the user in locating the abstract in the abstract section of an individual issue of *Aerospace Medicine and Biology*. If applicable, a report number is also included as an aid in identifying the document.

A

- AAKROG, A.**
 STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN PRECIPITATION, SOIL, SEA WATER, VEGETATION, ANIMALS, AND DRINKING WATER IN GREENLAND
 RISO-87 N65-18474
- ABAJIAN, J.**
 DIGITAL INTEGRATOR FOR ON-LINE PULMONARY COMPLIANCE MEASUREMENTS A65-81154
- ABBEY, D. S.**
 PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF DEFENSES ON RORSCHACH PROTOCOL A65-80562
- ABBOTT, B. A.**
 ACCURACY OF ALTITUDE AND GROUND SPEED DETERMINATIONS USING CONTACT ANALOG SIMULATOR DISPLAY SYSTEM
 D228-421-015 N65-30934
- ABDULLAEV, V. D.**
 PROPHYLACTIC AND THERAPEUTIC USES OF ULTRAVIOLET RADIATION IN X-RAY RADIATION DAMAGE IN ALBINO RATS
 A65-80593
- ABELIN, T.**
 NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING PERFORMANCE, BODY WEIGHT, MORTALITY, AND ATHEROMATOSIS IN RATS A65-80936
- ABMA, J. S.**
 ROLE OF PROGRAMMED INSTRUCTION IN TRAINING AND EDUCATION SYSTEMS
 AMRL-TR-64-89 N65-11082
- BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM - HUMAN PERFORMANCE**
 AMRL-TR-64-108 N65-19150
- LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION**
 AMRL-TR-64-114 N65-19602
- REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED INSTRUCTION - PSYCHOLOGICAL TESTING**
 AMRL-TR-64-128 N65-21048
- ABOUD, E. G.**
 DEVELOPMENT AND HISTORY OF PRESSURE SUIT FOR HIGH ALTITUDE FLYING A65-80624
- ABRAHAM, R. E.**
 ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86 CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON DIOXIDE, AND VASOACTIVE DRUGS A65-81176
- ABRAMS, R.**
 TELEMETERING HYPOTHALAMIC TEMPERATURES OF UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT ENVIRONMENTS A65-80682
- ABRIKOSOVA, M. A.**
 NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
 NASA-TT-F-9578 N65-36751
- ABYZOV, S. S.**
 MICROBIOLOGICAL ANALYSIS OF IRON AND STONE METEORITES, NOTING ABILITY OF BACTERIA TO PENETRATE INTO CENTRAL REGIONS A65-30687
- ACQUARO, G.**
 HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE POISONING IN DOGS A65-80294
- ADAMS, C. R.**
 PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR ORBITAL MAINTENANCE AND TASK PERFORMANCE IN SIMULATED SPACE ENVIRONMENT A65-19842
- ADAMS, D. A.**
 RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT IONIZATION CHAMBERS A65-30674
- ADAMS, D. E.**
 RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM SOLAR FLARE RADIATION - RADIATION EFFECTS
 N65-34584
- ADAMS, H. B.**
 PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND THEIR PREDICTION FROM RORSCHACH PROTOCOLS A65-81452
- ADAMS, J. E.**
 TECHNIQUES OF IDENTIFICATION APPLIED TO 81 EXTREMELY FRAGMENTED AIRCRAFT FATALITIES
 A65-81231
- ADAMS, J. J.**
 VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT CONTROL SYSTEM
 NASA-TN-D-2569 N65-14119
- ADAMS, T.**
 HUMAN ECCRINE SWEAT GLAND ACTIVITY AND PALMAR ELECTRICAL SKIN RESISTANCE A65-81911
- PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT BETWEEN OKLAHOMA CITY AND TOKYO**
 AA-65-16 N65-34020
- ADAMSON, G. T.**
 MUSCULAR PERFORMANCE IN MALE ATHLETE UNDER INFLUENCE OF TWO PSYCHOSTIMULANT DRUGS A65-81228
- ADAMSONS, K., JR.**
 LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA A65-80073

- ADAR, R.**
 PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL ACTIVITY IN HOT ENVIRONMENT AND RELATION TO APPETITE AND BODY TEMPERATURE A65-80900
 SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER CONDITIONS OF WORK IN HOT CLIMATE A65-80957
- ADES, H. W.**
 CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE AND FLUID SPACES A65-25646
- ADEY, W. R.**
 NEUROPHYSIOLOGICAL DATA TREATED MATHEMATICALLY BY COMPUTER-TAPE RECORDING SYSTEM IN BRAIN RESEARCH INSTITUTE A65-16467
 SPECTRAL ANALYSIS OF BRAIN WAVE GENERATORS AS MULTIPLE STATISTICAL TIME SERIES A65-21484
 CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES A65-27064
 IMPEDANCE CHARACTERISTICS OF CORTICAL AND SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860
 ELECTROENCEPHALOGRAPHIC ACTIVITY OF FRONTAL CORTEX, DORSAL HIPPOCAMPUS, AND MESENCEPHALIC RETICULAR FORMATION OF RAT DURING PARADOXICAL AND SLOW WAVE SLEEP A65-81381
 ANALYSIS OF CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM USING COMPUTER METHODS - SYMPOSIUM NASA-SP-72 N65-28750
 CONCEPTS OF CEREBRAL ORGANIZATION ARISING FROM TIME SERIES ANALYSIS OF NEUROPHYSIOLOGICAL DATA RELATED TO PROBLEMS OF EEG WAVE PROCESS ORIGIN N65-28756
 BIOSATELLITE PERFORMANCE SIMULATIONS RELATED TO CHANGES IN PRIMATE CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM PERFORMANCE IN SPACE N65-28771
 NEUROPHYSIOLOGICAL CEREBRAL CORRELATION MODEL OF INFORMATION TRANSACTIONS, AND INFORMATION STORAGE NASA-CR-64570 N65-32027
 ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING NASA-CR-65018 N65-32718
- ADLHOCH, R. W.**
 MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE AIAA PAPER 64-393 A65-14698
- ADOLFSON, J.**
 MANUAL DEXTERITY AND ARITHMETIC CALCULATION CAPACITY DURING REST AND EXERCISE IN HYPERBARIC AIR A65-81203
- AFANASEV, V. P.**
 MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM IN BIOLOGICAL EXPERIMENTS ON MAMMALS A65-80539
- AFANASYEV, YU. I.**
 DOG SPLEEN RESPONSE TO LATERAL ACCELERATION N65-13637
- AGADZHANYAN, N. A.**
 WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR A65-29947
 EFFECT OF HIGH ALTITUDE ON CERTAIN PHYSIOLOGICAL FUNCTIONS CONTROLLED BY AUTONOMIC NERVOUS SYSTEM IN ANIMALS BREATHING PURE OXYGEN AND AIR A65-80647
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN RATS IN LOW PRESSURE CHAMBER A65-81671
 EFFECT OF HIGH ALTITUDES ON PULMONARY CARBON DIOXIDE PARTIAL PRESSURE A65-81876
 CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723
 CHANGES OF HIGHER NERVOUS ACTIVITY AND VEGETATIVE REACTIONS DURING LONG EXPOSURE TO RELATIVE ADYNAMIA AND ISOLATION FTD-TT-64-635/16264 N65-19197
 EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE NASA-TT-F-9427 N65-27713
- AGALIDES, E.**
 PACINIAN CORPUSCLE OF INTESTINE AND MESENTERY OF CAT AS AFFECTED BY ACOUSTIC WAVES A65-80152
- AGEND, M.**
 INTERACTION BETWEEN DNA AND RNA OF BACILLUS STEAROTHERMOPHILUS ISS-64/47 N65-29209
- AGHEMO, P.**
 NCMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN CONSUMPTION IN MAN DURING EXERCISE A65-81920
- AGMON, J.**
 ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION A65-80662
- AGOSTONI, E.**
 THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED FROM THORACIC CIRCUMFERENCE, INTRATHORACIC PRESSURE AND PULMONARY VOLUME RELATIONSHIPS A65-23231
 DIAPHRAGM ACTIVITY AND THORACOABDOMINAL MECHANICS DURING POSITIVE PRESSURE BREATHING AMRL-TR-64-141 N65-30345
- AGRESS, C. M.**
 PRECORDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION A65-22329
 PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED WITH HEART FUNCTION IN MAN AND DOGS NASA-CR-57145 N65-18490
- AGUILAR, F. L.**
 APPARATUS WITH PLETHYSMOGRAPH TO MONITOR RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY SYSTEM LF-16 N65-11573
- AHEARN, T. R.**
 CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER CONFINEMENT A65-82097
- AHLBORN, J. F.**
 EFFECTS OF INSTRUCTIONS ON WIRING TASK ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM CONTROL PANEL A65-18289
- AHLMARK, G.**
 SKILLS INVOLVED IN READING METERS DURING SUPERVISION OF AUTOMATIC ASSEMBLY SYSTEMS A65-80886
- AIKAS, E.**
 TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE HEATING AND COOLING AMRL-TR-64-131 N65-19154
- AIKEN, L. R., JR.**
 ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL POTENTIALS IN MAN AS INDICATORS OF ACTIVATION LEVEL A65-80260

- LEARNING AND RETENTION IN ESTIMATION OF SHORT TIME INTERVALS A65-81006
- AIRAPETIAN, G. M.
BLOOD CIRCULATION IN MICE AND RATS TRACED FOR DETERMINING INFLUENCE OF ANTIRADIATION DRUGS ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN IN ORGANS N65-26390
- AKABORI, S.
ASYMMETRIC HYDROGENATION OF CARBONYL COMPOUNDS A65-80472
- AKAGI, J. M.
HYDROGENASE ENZYME PROPERTY STUDY IN ORDER TO ELUCIDATE PROCESS OF SULFATE REDUCTION IN COLEMAN ORGANISM A65-17519
PHOSPHOROCLASTIC REACTION CATALYZED BY CLOSTRIDIUM NIGRIFICANS, THERMOPHILIC SULPHATE-REDUCING BACTERIUM A65-17522
- AKER, J. E.
SOLID CHEMICAL AIR GENERATOR FOR PRODUCING BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE - SPACE APPLICATION AG-1 N65-10267
- AKHMEDOV, K. YU.
BASAL METABOLISM AND EXTERNAL RESPIRATION IN CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM CONGENITAL HEART DEFECTS N65-17794
- AKHREN-AKHRENOVICH, R. M.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION N65-13737
- AKULINICHEV, I. T.
ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD VOSKHOD 1 NOTING APPARATUS RECORDING ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAM, DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF ASTRONAUTS A65-34946
TELEMETRIC DEVICES FOR STUDY AND CONTROL OF PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET SPACE MISSIONS A65-80333
MEDICAL SUPPORT OF PROLONGED INTERPLANETARY MISSIONS A65-80932
OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81199
BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND HYGIENIC PARAMETER RECORDING DURING U.S.S.R. SPACEFLIGHTS N65-12733
PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V AND VOSTOK V I SPACECRAFT N65-12734
TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA TRANSMISSION N65-12735
EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT CENTRAL NERVOUS SYSTEM IN VOSTOK III AND VOSTOK IV SPACECRAFTS N65-13627
EVALUATING ASTRONAUT CONDITION AND ACTIVITY IN PROLONGED SPACE FLIGHT NASA-TT-F-271 N65-13965
RADIO ELECTRONICS IN SPACE MEDICINE FTD-TT-64-836/1&2 N65-18041
PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY DURING ORBITAL SPACE FLIGHT N65-26920
WORK CAPACITY, PHYSICAL REACTIONS OF MAN, AND NOISE NORMALIZATION IN LIFE SUPPORT SYSTEMS DURING SPACE FLIGHTS, AND CHLORELLA CULTURES AS LINK IN ECOSYSTEM - ABSTRACTS NASA-TT-F-9536 N65-32876
MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED SPACECRAFT - AEROSPACE MEDICINE NASA-TT-F-9591 N65-35785
- ALBE-FESSARD, D.
INHIBITION OF NONSPECIFIC SENSORY POTENTIALS IN CAT FOLLOWING STRIOPALLIDAL AND CAPSULAR STIMULATION A65-81303
- ALBERT, P. A.
COLD TEST EVALUATION OF COMPONENTS OF NASA PROGRAM MERCURY SURVIVAL KIT AAL-TDR-64-24 N65-24083
- ALBERT, R. E.
SWEAT SUPPRESSION OF FOREHEAD BY FORCED BREATHING IN MAN - EFFECT OF CARBON DIOXIDE TENSION A65-80314
- ALBIN, M. S.
EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM A65-80155
- ALBRIGHT, C. D.
EFFECT OF RESPIRATORY FREQUENCY ON PULMONARY MECHANICS A65-81708
- ALBRIGHT, G. A.
SIMULATION OF CLOSED LIFE SUPPORT SYSTEMS SUITABLE FOR SPACE FLIGHT A65-29103
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE N65-14456
TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA NAVTRADEVCE-1444-1 N65-33459
SIMULATION OF CLOSED ATMOSPHERES FOR SPACE FLIGHTS N65-33631
- ALBRIGHT, M.
VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES FROM MANNED CHAMBER TESTING A65-10831
- ALDAMA, D. P. H.
ELECTROENCEPHALOGRAPHY AND PSYCHOLOGICAL TESTING OF COMBAT PILOT UNIT A65-81811
- ALDERMAN, R. B.
INFLUENCE OF LOCAL FATIGUE ON SPEED AND ACCURACY IN MOTOR LEARNING A65-81759
- ALEKPEROV, S.
ORIENTATION AND ROTATION OF HUMAN BODY UNDER WEIGHTLESS CONDITIONS IN FREE SPACE A65-29680
- ALEKSANDROVA, I. V.
AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN REGENERATION SYSTEM FTD-TT-64-247/1&2 N65-18227
- ALEKSANIAN, A. M.
PHYSIOLOGY OF AUTONOMIC NERVOUS SYSTEM AND CEREBELLUM A65-80646
- ALEKSIDZE, T. A.
RELATION BETWEEN SYSTEMIC BLOOD PRESSURE AND INTRAOCULAR PRESSURE JPRS-29756 N65-22112
- ALEXANDER, J. K.
RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS A65-80666
- ALEXANDER, L. T.
OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL SYSTEMS A65-10542
- ALEXANDER, P.
ROLE OF OXYGEN IN PHENOMENA OF CHEMICAL PROTECTION AGAINST IONIZING RADIATION A65-80367

- ALEXANDER, P. A.**
INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY
ABSORPTION IN CELLULAR STRUCTURES N65-23451
- RADIATION PROTECTION BY CHEMICAL COMPOUNDS IN
MAMMALS N65-23468
- ALEXANDER, T. W., JR.**
HISTORY AND POPULAR ACCOUNT OF DEVELOPMENT AND
OPERATIONS OF APOLLO PROJECT A65-80584
- ALEXANDER, W. C.**
HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE N65-35262
NASA-TM-X-51649
- ALFORD, B. B.**
SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION N65-29373
NASA-CR-63993
- ALIEV, M. A.**
PREVENTION OF HYPERTENSION CAUSED BY INDUCED
KIDNEY ISCHEMIA AT VARIOUS ALTITUDES IN DOGS A65-81988
- MOUNTAIN CLIMATE THERAPY IN HYPERTENSION IN DOGS
N65-17833
- ALIFANOV, V. N.**
CHANGES IN PULMONARY VOLUME AND VENTILATION IN
HEALTHY AND SICK INDIVIDUALS DURING HYPOXIA AT
SIMULATED ALTITUDE A65-80799
- RESPIRATORY CHANGES IN SICK AND HEALTHY HUMANS
UNDER CONDITIONS OF HYPOXIA N65-13628
- VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO
DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC
ACTIVITY DUE TO HYPOXIA N65-13629
- EFFICIENCY OF OXYGEN SUPPLY SYSTEM, IN CONTROLLING
RESPIRATION AT EXCESS PRESSURE N65-13680
- ALIYEV, B. M.**
FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND
CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN
IRRADIATION DOSAGE AND FILTRATION OF PRIMARY
BEAM N65-26805
- ALKHAZOV, V. A.**
CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY
GAS MASKS AND PROTECTIVE CLOTHING N65-20024
FTD-TT-64-998/162
- ALLEN, G. D.**
ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION N65-14761
AD-450346
- ALLEN, G. R.**
DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING
SYSTEMS USING ELECTRICAL ANALOG A65-36822
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING
EQUIPMENT A65-82362
- ALLEN, J. R.**
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN
FAT OF HAMSTERS A65-80096
- ALLEN, M. E.**
ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING,
NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE N65-15308
FAA-AM-64-16
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE
TRANSLATIONS N65-26955
AM-65-17
- ALLEN, M. J.**
MISUSE OF RED LIGHT AS A RUNNING LIGHT ON
AUTOMOBILES AND EFFECT ON VISION A65-80867
- ALLEN, R. T.**
BIOTELEMETRY IN MEDICINE - DESCRIPTION OF NEW
TELEMETERED ELECTROCARDIOGRAPH A65-80840
- ALLEN, T.**
EXTRATERRESTRIAL LIFE STUDIES AS RELATED TO
EVOLUTION OF LIFE, METEORITES, LIFE-DETECTION
DEVICES, MANNED SPACE FLIGHT, AND MAN-MACHINE
SYSTEMS A65-81851
- ALLEN, T. H.**
INTENSITY AND DURATION OF BENDS PAINS DETERMINED
BY SIMULATED ORBITING LABORATORY FLIGHTS OF
VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN
DISSOLVED IN BLOOD A65-24074
- DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT
A65-81071
- ALLISON, W. S.**
FILTRATION EFFECT ON STABILITY AND
IMMUNOLOGICAL PROPERTIES OF MUSCLE
TRIOSEPHOSPHATE DEHYDROGENASES N65-19962
NASA-CR-56251
- ALLRED, J. B.**
METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE N65-15372
NASA-CR-60338
- ALLUISI, E. A.**
MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE
STIMULUS PRESENTATIONS A65-80563
- AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY
D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- ALLWOOD, M. J.**
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER
RADIATION HUMAN EYE CAN ABSORB A65-12397
- ALMAZOV, V. A.**
INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES,
AND BONE MARROW OF RABBITS EXPOSED TO RADIATION
N65-21211
- ALMERKOVA, A. A.**
BLOOD REGENERATION AFTER BLOOD LOSS IN ANIMALS
ACCLIMATED TO HIGH ALTITUDE - EFFECT OF HYPOXIA
IN DOGS SUBJECTED TO HEMORRHAGING N65-35017
JPRS-31781
- ALMUTT, R. W.**
VIABILITY MONITOR TO OBTAIN FACTUAL QUANTITATIVE
INFORMATION ON PHYSIOLOGICAL RESPONSES OF
INDIVIDUALS N65-14491
AMRL-TDR-62-98 /III/
- ALPEN, E. L.**
DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME
REPLICATION IN CAT BONE MARROW CELLS N65-11959
USNRDL-TR-779
- ALPERN, M.**
STEADY STATE RESPONSE OF PUPIL TO RETINAL
ILLUMINATION IN OBSERVER LACKING FUNCTIONING RODS
A65-35587
- ROD-CONE INDEPENDENCE IN AFTER-FLASH EFFECT
A65-80804
- SPECIFICITY OF CONE INTERACTION IN AFTER-FLASH
EFFECT A65-80805
- SPECTRAL TRANSMITTANCE OF VISIBLE LIGHT BY LIVING
HUMAN EYE A65-81412
- ALSLEBEN, U.**
CIRCULATORY TIME AND HEART MINUTE VOLUME IN
HEALTHY YOUNG MEN DURING PHYSICAL STRESS A65-80694
- ALSMILLER, R. G., JR.**
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE
FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF
CURRENT-TO-DOSE CONVERSION FACTORS N65-34597

- VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE
VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598
- ALTEMEIER, W. A.
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO
CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY
TESTED WITH PROTEIN A65-80177
- ALTHAN, I. A. A.
EVOKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND
CEREBRAL CORTEX A65-81672
- ALTHAN, J. W.
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM
NASA-CR-67080 N65-33972
- ALTHAN, P. L.
BIOLOGY AND MEDICINE REFERENCE INFORMATION AND
DATA HANDBOOK
AMRL-TR-64-100 N65-15790
- ALTHANN, H.
BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
HUMAN SPLEEN
SGAE-BL-14 N65-20198
- ALTOV, G. S.
BIONICS EXTENDED BEYOND CONTEMPORARY SPECIES TO
INCLUDE EXTINCT ANIMALS - ANIMAL ANALOGIES FOR
TECHNOLOGICAL SYSTEMS N65-16513
- ALTUKHOV, G. V.
MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087
- DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198
- PHYSIOLOGICAL TELEMETRY ON MANNED SPACE FLIGHTS
N65-13630
- EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS
DURING SPACE FLIGHT N65-26919
- ALTUNINA, V. K.
TRANSFORMATION OF AMINO-ACYL-S- RNA INTO
DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE
CARBOXYMIDE
NASA-TT-F-9448 N65-27724
- ALVAREZ-SALA MORIS, J. L.
CARDIORESPIRATORY HYGIENE IN FLIGHT
A65-81820
- ALYAKRINSKIY, B. S.
PSYCHOLOGY OF PILOT PERFORMANCE IN INSTRUMENT
FLIGHT N65-13631
- GROUP SPACE FLIGHT PSYCHOLOGY N65-15172
- AMARO, J.
LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN
DOG CEREBELLUM AND ASSOCIATED AREAS
A65-33023
- AMENTA, J. S.
HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE
RESPIRATORY PATTERN OF VARIOUS METABOLIC
SUBSTRATES IN RATS A65-81131
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- AMESZ, J.
GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754
- AMIEL, J. L.
ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY
IRRADIATION IN MAN A65-80167
- AMIRAGOVA, M. I.
IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- AMIROV, R. Z.
SIMULTANEOUS CARDIOSCOPIC SCAN AND
VECTORCARDIOGRAPHIC RECORDING IN MAN
A65-80604
- AMLINGER, P. R.
DIAGNOSTIC MONITORING IN OFFICE PROCEDURES -
BIOTELEMETRY N65-34004
- APPLICATION OF TELEMETRY SYSTEMS TO BIOLOGICAL
STUDY DUE TO MICROMINIATURIZATION N65-34006
- AMMANN, E. C. B.
HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO
SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM
A65-11401
- GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME,
LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON
PHOTOSYNTHESIS A65-81590
- AMMONS, C. H.
PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS
A65-80246
- PERCEPTION BIBLIOGRAPHY- SELECTION OF 74 ITEMS
FROM PSYCHOLOGICAL INDEX, NO. 13, 1906
A65-80567
- PERCEPTION BIBLIOGRAPHY SELECTED FROM
PSYCHOLOGICAL INDEX, NO. 14, 1907
A65-81644
- LIST OF REFERENCES ON PERCEPTION FROM
PSYCHOLOGICAL INDEX, NO. 15, 1908.
A65-81660
- SELECTION OF 116 ITEMS ON PERCEPTION FROM
PSYCHOLOGICAL INDEX 1909
A65-82342
- MOTOR SKILLS BIBLIOGRAPHY
A65-82344
- AMMONS, R. B.
PERCEPTION BIBLIOGRAPHY CONTAINING 117 ITEMS
A65-80246
- PERCEPTION BIBLIOGRAPHY- SELECTION OF 74 ITEMS
FROM PSYCHOLOGICAL INDEX, NO. 13, 1906
A65-80567
- PERCEPTION BIBLIOGRAPHY SELECTED FROM
PSYCHOLOGICAL INDEX, NO. 14, 1907
A65-81644
- LIST OF REFERENCES ON PERCEPTION FROM
PSYCHOLOGICAL INDEX, NO. 15, 1908.
A65-81660
- SELECTION OF 116 ITEMS ON PERCEPTION FROM
PSYCHOLOGICAL INDEX 1909
A65-82342
- MOTOR SKILLS BIBLIOGRAPHY
A65-82344
- AMORELLI, D.
MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF
AIRCRAFT AND SPACECRAFT SYSTEMS
A65-14364
- MANNED ORBITAL AND LUNAR BASE HABITABILITY
REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION,
HYGIENE, GRAVITATION AND WORK-REST CYCLE
A65-23642
- RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-23007
- AMOSOV, I. S.
PATHOGENIC MECHANISMS - PULMONARY BLOOD VESSEL
CHANGE DUE TO CHRONIC RADIATION SICKNESS
FTD-MT-63-223 N65-11581
- AMOSOV, N. M.
ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN

- MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156 N65-24231
- CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351
- AMOXOV, N. M.
REGULATION OF VITAL FUNCTIONS AND CYBERNETICS -
MEDICAL APPLICATIONS
JPRS-29330 N65-20100
- ANANCHENKO, V. G.
STATUS OF ANTICOAGULATING MECHANISMS UNDER
CONDITIONS OF PROLONGED BED REST
N65-13770
- ANAND, S. J. S.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902
- ANANEV, V. M.
SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
FIELD A65-80801
- ANANYEV, M. G.
NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD
EFFECTS IN DOGS AND ANIMALS DURING
ELECTRONARCOSIS
JPRS-31018 N65-28808
- ANCONA, L.
CONTRIBUTION OF AGOSTINO GEMELLI TO PROGRESS OF
GENERAL AND AVIATION PSYCHOLOGY
A65-80925
- ANDEL, J.
OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- ANDERS, E.
EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORQUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- ABIOGENIC FORMATION OF CARBON COMPOUNDS IN
ORQUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS
CHONDRITES SUGGESTED BY MASS SPECTROMETRY
A65-82013
- ANDERSEN, A. C.
EFFECTS OF CONTINUED STRONTIUM 90 INGESTION DURING
GROWTH PERIOD OF BEAGLE AND ITS RELATION TO
RADIUM 226 TOXICITY
UCD-472-112 N65-32350
- X-RADIATION EFFECTS ON WORK CAPACITY, REPRODUCTIVE
CAPACITY, AND LONGEVITY OF BEAGLE DOGS
UCD-472-111 N65-34324
- ANDERSEN, H. C.
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF
STAPEDIUS AND TENSOR TYMPANI MUSCLES
A65-80035
- SOUND TRANSMISSION IN HUMAN EAR AND
NON-OTOSCLEROTIC OSSICLE FIXATION
A65-82309
- ANDERSEN, H. R.
COMMERCIAL MODEL GAS CHROMATOGRAPHY FOR
PHYSIOLOGIC GAS ANALYSIS AT HIGH ALTITUDE
SAM-TR-65-2 N65-26617
- ANDERSEN, K. L.
WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO
HEART RATE AND OXYGEN UPTAKE
A65-81142
- OXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN
DURING PHYSICAL EXERCISE
A65-81143
- ANDERSEN, M. W.
BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS,
AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN
DOG DURING EXTRACORPOREAL CIRCULATION
A65-80578
- ANDERSON, B., JR.
RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY
HYPERBARIC OXYGENATION
A65-80757
- ANDERSON, D. A.
FGVEAL FLICKER FUSION USING MOVING STIMULUS
A65-82333
- ANDERSON, L. M.
SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH
DATA, ORIENTATION, COMMUNICATION, AND ROLE OF
MOTIVATION IN PROLONGED SLEEP DEPRIVATION
A65-80020
- ANDERSON, M. M.
ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF
PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF
POCKET MICE
A65-19519
- ANDERSON, T. I.
CORRELATION OF AUDITORY AND VISUAL AUTOKINETIC
EFFECTS
A65-81557
- ANDERSSON, B.
THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS
CENTER IN HYPOTHALAMUS
A65-81769
- ANDJUS, R. K.
BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA
A65-81456
- INFLUENCE OF HIBERNATION AND INTERMITTENT
HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGUTININS
IN GROUND SQUIRREL, CITELLUS CITELLUS
A65-81497
- ANDREASSI, J. L.
EFFECTS OF INDUCED MUSCLE TENSION AND AUDITORY
STIMULATION ON TACHISTOSCOPIC PERCEPTION
A65-81567
- ANDRESKI, L.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE
A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS
A65-81054
- ANDREWS, D. P.
PERCEPTION OF CONTOURS IN CENTRAL FOVEA IN MAN
A65-81079
- ANDREWS, G. A.
GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION
N65-25658
- HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING
N65-25659
- RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE
N65-25667
- ANDREWS, J. S.
VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF
RETINA BY INTERACTION OF VISUAL CELL OUTER
SEGMENTS AND RETINAL MICROSOMES
A65-80585
- ANDREYEV, V.
ARTIFICIAL GRAVITY AND MENTAL EXERCISE FOR CREW ON
LONG DURATION SPACE FLIGHT
JPRS-29211 N65-20095
- ANDREYEVA-GALANINA, YE. TE.
VIBRATION EFFECTS ON HUMANS AND ANIMALS,
OCCUPATIONAL HAZARD VIBRATION DAMAGE TO TISSUES,
VIBRATION ABSORBERS FOR WORKER PROTECTION, AND
FREON GAS TOXICOLOGY
JPRS-28721 N65-16207
- ANDREYEVA, V. N.
DISINHIBITION OF SUPRALIMINAL INHIBITION BY
EXTERNAL STIMULI
JPRS-29460 N65-21092

- ANDRIANOV, P. N.
BLOOD ALBUMIN STUDY BY ELECTROPHORESIS IN CHRONIC MOUTH DISEASES
FTD-TT-65-530/164 N65-33755
- ANDRIANOV, V. M.
EFFECTS OF ULTRASOUND WAVES IN SMALL INTENSITIES ON MORPHOLOGY OF WHITE RAT TESTES
N65-28703
- ANDRIANOVA, L. A.
EFFECT OF IONIZING RADIATION ON NEUROSECRETION OF NUCLEI IN HYPOTHALAMIC AREA OF RABBITS
N65-20141
- ANDRUS, W. D.
RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX, DURING HIBERNATION
A65-81681
- ANGELL, D.
PERFORMANCE EVALUATION IN SIMULATOR TRAINING ENVIRONMENT
NAVTRADEVCE-1449-1 N65-14797
- ANGELONE, A.
HEART RATE RESPONSE TO HELD LUNG VOLUME IN INSPIRATORY AND EXPIRATORY POSITIONS
A65-81145
- ANGELONI, E.
TUBERCULOSIS IN ITALIAN AIR FORCE PERSONNEL - MEDICO-LEGAL SURVEY
A65-80214
- ANGELOTTI, R.
ECOLOGY AND THERMAL INACTIVATION OF MICROBES IN AND ON INTERPLANETARY SPACE VEHICLE COMPONENTS - MICROBIOLOGICAL PROCEDURES FOR DISINTEGRATING SOLIDS TO SMALL PARTICLES
NASA-CR-64834 N65-33537
- ANGHILERI, L. J.
GLUCOSE INFLUENCE ON PHOSPHORUS METABOLISM IN CHLORELLA
N65-21073
- ALGAE PHOSPHORUS METABOLISM IN LIPID FRACTIONS UNDER NORMAL AND HETEROTROPHIC CONDITIONS
N65-21074
- CARBOHYDRATE INFLUENCE ON CARBON 14 ABSORPTION BY CHLORELLA IN LIGHT AND DARK
REPT.-135 N65-23301
- METABOLISM OF RADIOACTIVE ISOTOPE IODINE 131 BY CHLORELLA VULGARIS
REPT.-132 N65-23645
- ANGIBOUST, R.
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- PROBLEM OF SLEEP DURING NIGHT FLYING- VIGILANCE, ACCIDENTS AND DRUGS
A65-81466
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES OF ROCKET FLIGHT
A65-81848
- ANIKEEVA, I. D.
EFFECT OF ULTRAVIOLET RADIATION GROWTH AND MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY USE OF EXPONENTIAL FORMULA
A65-80803
- ANISHCHENKO, A.
SUPERIORITY OF AGRICULTURAL AIRCRAFT OVER GROUND SPRAYING APPARATUS
JPRS-27161 N65-10337
- ANISIMOV, S. I.
RESTRICTIONS ON DIFFERENTIAL EQUATIONS NECESSARY TO USE DYNAMIC MODELING TO DESCRIBE BIOLOGICAL SYSTEMS
JPRS-31663 N65-31712
- ANISIMOVA, O. V.
STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
- ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET RADIATION DURING PROPHYLACTIC TREATMENT IN CHILDREN
A65-80592
- ANISKIN, YE. D.
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4
A65-81620
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS
N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- ANKUS, M. M.
AGE EFFECT ON SHORT-TERM STORAGE MEMORY AND SERIAL ROTARY LEARNING
A65-82109
- ANNENKOV, B. N.
EFFECT OF SUBCUTANEOUS INJECTIONS OF MAGNESIUM SULFATE SOLUTION ON DEGREE OF STRONTIUM 90 ABSORPTION IN EXPERIMENTAL ANIMALS
A65-82181
- ANOKHIN, M. I.
MATHEMATICAL LOGIC AND PROBABILITY THEORY OF CYBERNETIC COMPUTERS IN MEDICAL DIAGNOSIS
JPRS-31926 N65-32762
- ANSON, B. J.
DEVELOPMENT, GROSS MORPHOLOGY AND NORMAL ADULT HISTOLOGY OF COCHLEAR AND VESTIBULAR AQUEDUCTS
A65-82132
- ANSPAUGH, L. R.
BETA AND GAMMA DOSE EQUATIONS FOR CALCULATION OF RADIOIODINE ISOTOPE DOSAGE TO THYROID
UCRL-12492 N65-24727
- ANTHONISEN, N. R.
POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN
A65-80665
- CONTROLLED FREQUENCY BREATHING DURING MUSCULAR EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS TENSIONS
A65-80672
- ANTIPOV, B. B.
DISTURBANCES IN MITOSIS IN MICROSPORES OF TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF FLIGHT OF VOSTOK V SPACECRAFT
A65-80719
- ANTIPOV, V. V.
CRITICAL ACCELERATION ENDURANCE INCREASE OF IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374
- SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN EXPERIMENTS MODELING EARTH - MOON TRAJECTORY UNDER CONDITIONS OF SOLAR FLARE
A65-25098
- HIGH ENERGY PROTONS EFFECT ON MICE AND RATS, NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS CONCERNING COSMIC RADIATION EFFECTS ON GENETIC CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT FLIES
A65-30689
- WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON REPRODUCTION IN DROSOPHILA MELANOGASTER AND HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA
A65-30691
- BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF MANNED SPACE FLIGHTS TO MOON FROM SOVIET EXPERIMENTAL STUDIES AND DATA
A65-33034
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF

GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND CUCUMBER SEEDS AND WHEAT GRAINS
A65-35816

VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON VARIATION IN NUMBER OF CELLS WITH CHROMOSOME ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS
A65-35817

VOSTOK III AND IV SPACE FLIGHT RADIATION EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI K-12 /LAMBDA/ SUSPENSIONS
A65-35818

BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC BACTERIA
A65-35819

CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY PARTICLE AND RADIATION EXPOSURE SIMILAR TO POSSIBLE CONDITIONS DURING SPACE FLIGHT
A65-80439

CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY IONIZING RADIATION AND VIBRATION DURING SPACE FLIGHT, IN VARIOUS ANIMALS
A65-80979

DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER IRRADIATION
A65-80985

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING VIBRATION, ACCELERATION AND RADIATION EFFECTS DURING SPACE FLIGHT
A65-81325

EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL PROCESSES IN GERMINATION OF SEED IN SOME HIGHER PLANTS ABOARD VOSTOK SPACECRAFT
A65-81595

EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER PLANTS
A65-81596

STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4
A65-81620

STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624

COMPARATIVE RADIOPROTECTIVE EFFECT OF MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE EXPOSED TO GAMMA RADIATION OR IRRADIATION BY PROTONS OF 120-660 MEV ENERGY
A65-81989

BIOLOGICAL EFFECT OF COSMIC RADIATION AND PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065

BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279
N65-11908

PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE FLIGHT
N65-13632

RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON VOSTOK SPACECRAFT
N65-13657

MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-13671

BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS
N65-13682

SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683

BIOLOGICAL TESTS ON VOSKHOD AND VOSTOK SPACECRAFT DURING SPACE FLIGHT
N65-14600

BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS

NASA-TT-F-9157
N65-14606

DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY DIFFERENT FLIGHT LENGTHS ON VOSTOK V
NASA-TT-F-9627
N65-15163

REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404

TISSUE HEMOLYSINS AS INDICATORS OF PROPHYLACTIC VALUE OF RADIOPROTECTION - STUDY OF LIVERS FROM IRRADIATED RATS
JPRS-28981
N65-17890

SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434
N65-21237

TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE IN IRRADIATED ORGANISM - ANIMAL STUDY
N65-22724

SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF TRADESCANTIA PALUDOSA DURING FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489

BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
N65-27136

BIOLOGICAL EVALUATION OF DANGER FROM COSMIC RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288

COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND GAMMA RADIATION IN MICE, RATS, SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039

BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR EARTH TO MOON MANNED SPACE FLIGHTS
NASA-TT-F-9458
N65-32265

BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON PHYSIOLOGICAL PROCESSES IN GERMINATION AND SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941

SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER PLANTS - BIOLOGICAL EFFECTS
N65-34942

BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI SPACECRAFTS
N65-34944

ANTONIS, A.
INFLUENCE OF SEASONAL VARIATION, DIET, AND PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN ANTARCTICA
A65-81308

ANTONOV, I. I.
EFFECTS OF PARTIAL OXYGEN PRESSURE AND EXTREMES IN ENVIRONMENTAL TEMPERATURE ON THERMOREGULATORY FUNCTIONS OF BRAIN AND CENTRAL NERVOUS SYSTEM IN ANIMALS
N65-13633

ANTROBUS, J. S.
VISUAL SIGNAL DETECTION DURING PERFORMANCE OF TWO CONCURRENT COGNITIVE TASKS
A65-80242

AOKI, S.
METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN CHLORELLA CELLS
A65-80704

EFFECT OF MITOMYCIN C ON PROCESSES OF GREENING AND DIVISION OF GLUCOSE BLEACHED CELLS OF CHLORELLA PROTOTHECOIDES
A65-82348

APANASENKO, Z. I.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION, VIBRATION AND IONIZING RADIATION ON OXIDATION METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS IN HEMOPOIETIC TISSUES
A65-29946

EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,

- AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
EFFECT ON GROWTH OF ORGANISM AND VITAL
ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS
N65-31378
- EFFECT OF TOTAL VERTICAL VIBRATION ON FUNCTIONAL
STATE OF EQUILIBRIUM ORGAN IN GUINEA PIG
N65-31380
- EFFECT OF PENETRATING RADIATION ON VESTIBULAR
FUNCTIONS OF EQUILIBRIUM ORGAN AFTER ACUTE
WHOLE-BODY GAMMA IRRADIATION N65-31381
- COMBINED EFFECTS OF VIBRATION AND ACUTE
IRRADIATION ON VESTIBULAR FUNCTION IN GUINEA
PIGS N65-31382
- APOLLONOV, A.
EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS
FTD-TT-65-259/1 N65-25856
- APPLEWHITE, P. B.
PERFORMANCE ON COMPLEX PSYCHOMOTOR ASSEMBLY TASK
UNDER FOUR SPEED CONDITIONS A65-81001
- AQUARO, G.
ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE
POISONING IN DOGS A65-80292
- ARBORELIUS, M., JR.
HYPOXIA IN ONE LUNG AND EFFECT ON DISTRIBUTION OF
PULMONARY CIRCULATION AND VENTILATION A65-81757
- ARBUCKLE, R. H.
TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49 N65-30346
- ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48 N65-31081
- ARCA, M.
INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEAROTHERMOPHILUS
ISS-64/47 N65-29209
- ARCHIBALD, E. R.
CARBON DIOXIDE RESPONSE, EFFECTS OF SEDATION ON
CARBON DIOXIDE SENSITIVITY, AND PRESENCE OF
HYPOXIC DRIVE COMPONENT IN RESTING VENTILATION
OF TRAINED DOGS
AMRL-TR-64-145 N65-27837
- AREFYEVA, T. A.
INFLUENCE OF HYPOXIA ON CONDITIONED RESPONSES OF
FISH N65-17754
- ARIMA, J. K.
PERFORMANCE ON HALSTEAD TACTUAL PERFORMANCE TEST
UNDER SEVERE ENVIRONMENTAL STRESS A65-82334
- ARKADYEVSKIY, A. A.
NOISE LEVEL EFFECTS ON HUMAN HEARING SENSITIVITY
JPRS-27559 N65-11933
- ARLASHCHENKO, N. I.
BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS N65-13727
- ARMAND, J.
CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY
TO CARBON DIOXIDE IN MAN A65-81903
- ARMINGTON, J. C.
RELATIONS BETWEEN ELECTRORETINOGRAMS AND OCCIPITAL
POTENTIALS ELICITED BY FLICKERING STIMULI A65-80774
- ARMSTRONG, R. C.
DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT
SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL
CHEMICAL PROCESSES FOR SUSTAINING CREW DURING
SPACE FLIGHT SIMULATION
ASME PAPER 65-AV-25 A65-24391
- ARNESEN, G.
SOUND LOCALIZATION IN FREE FIELD AND INTERAURAL
THRESHOLD DIFFERENCES A65-80037
- ARNFRED, I.
PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST
ANOXIA IN MICE A65-81209
- ARNHOFF, F. N.
COGNITIVE AND PERCEPTUAL DISTURBANCES IN
SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF
DIFFERENTIAL EXPECTANCY LEVELS A65-81665
- ARNOLD, T. G., JR.
ANALOG COMPUTER AS AREA INTEGRATOR FOR
ELECTROCARDIOGRAM
REPT.-1 N65-10218
- ARNOLD, V. E.
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47 N65-19646
- ARONOV, M. P.
EFFECT OF VESTIBULAR AND OPTOKINETIC STIMULATION
ON POTENTIAL FREQUENCY OF ELECTROENCEPHALOGRAPH
A65-81353
- ARRIBAS MATA, H.
FEAR IN MILITARY AVIATOR A65-81824
- ARSENYEVA, M. A.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- ARSLAN, M.
CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS
AFFECTED BY ELECTRIC STIMULATION. A65-82141
- ARTAGAVEYTIA, D.
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT
THYROID TUMORS
REPT.-129 N65-23729
- ARTEMYEVA, N. S.
ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- ARVANITAKI-CHALAZONITIS, A.
MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY
VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS
A65-31019
- ASAKURA, H.
RADIATION PROTECTION BY SEVERAL DRUGS IN MOUSE
A65-80095
- ASCE, M.
CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE
FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND
ALGATRON SYSTEMS A65-33150
- ASCHOFF, J.
HUMAN CIRCADIAN RHYTHMS AND ENTRAINMENT IN SPACE
FLIGHT, NOTING DIURNAL RHYTHM EFFECT ON SENSORY
AND MOTOR PERFORMANCE A65-14577
- EFFECT OF ISOLATION FROM EXTERNAL TIME CUES ON
HUMAN CIRCADIAN RHYTHMS SUCH AS BODY TEMPERATURE,
SLEEPING PERIOD, PASSAGE OF TIME ESTIMATION AND

- URINE EXCRETION A65-26527
- ASHE. W. F.
INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS A65-82092
- ASIMOV, I.
ULTIMATE GOALS FOR MANNED SPACE EXPLORATION A65-81638
- ASRATYAN, E. A.
CONDITIONED REFLEX AND MODERN NEUROPHYSIOLOGY
NASA-TT-F-306 N65-14946
- ASRIBEKOV, A. S.
MEDICAL SERVICE FOR SOVIET CIVIL AVIATION N65-13634
- ASRIBEKOVA, T. A.
HYGIENIC HAZARDS OF AIR POLLUTION FROM AERIAL
INSECTICIDE SPRAYING N65-13635
- ASTAKHOVA, Z. A.
DRUGS FOR PREVENTION AND TREATMENT OF
AIRSICKNESS N65-13636
- ASTRAND, P.
AEROBIC WORK CAPACITY DURING EXERCISE A65-80358
- INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS A65-80673
- ATALLAH, S.
CHEMICAL PROCESSING EQUIPMENT BEHAVIOR IN REDUCED
GRAVITATIONAL ENVIRONMENT OF MOON A65-10763
- ATCHLEY, W. R.
TROUBLESHOOTING INFORMATION PRESENTATION
TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE
EQUIPMENT CHARACTERISTICS A65-18290
- ATGER, C.
DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING
HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE A65-80116
- ATKINSON, R. C.
INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS NASA-TM-X-51729 N65-21479
- CORRELATION BETWEEN STIMULUS AND RESPONSE
SEQUENCES DERIVED FROM OBSERVER PERFORMANCE
AND FEEDBACK INFORMATION - SIGNAL TO NOISE RATIO
NASA-TM-X-51737 N65-22198
- ATTAR, S.
LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA A65-80059
- ATZORI, M. L.
ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF
CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC
CENTERS IN RABBITS WITH INJURY AND ELECTRIC
STIMULATION A65-82354
- AUBRY, M.
COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND
STIMULATION SHOWING AUDITORY FATIGUE A65-82308
- AUCHINCLOSS, J. H., JR.
CARDIAC FUNCTION DURING EXERCISE AS RELATED TO
DISEASE A65-80555
- AUDUS, L. J.
GROWTH RATE AND MAGNETIC MAGNETOTROPIC RESPONSE OF
PLANTS EXPOSED TO MAGNETIC FIELDS A65-80422
- AUERBACH, E.
HUMAN ELECTRORETINOGRAM AS AFFECTED BY SLOW
INTERMITTENT LIGHT STIMULATION A65-80779
- AUFFRET, R.
NEW PHENOTHIAZINE TRANQUILIZER, FLUPHENAZINE -
- EFFECTS ON REACTION TIME AND TOTAL RESPONSE
TIME A65-80118
- PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS A65-80874
- PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED
BY EJECTION A65-80876
- RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS A65-80919
- MAN-MACHINE PROBLEMS RELATED TO FLYING VERTICAL
TAKEOFF AIRCRAFT A65-81037
- AUINGER, W.
HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL A65-82210
- AUSTIN, F. H., JR.
HUMAN ENGINEERING AND AEROSPACE MEDICINE AS
RELATED TO COCKPIT DESIGN, PROTECTIVE EQUIPMENT,
ESCAPE SYSTEMS, MEDICAL MONITORING, AND SELECTION
AND EVALUATION TECHNIQUES A65-80138
- AUSTIN, M. T.
RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF
ELECTROENCEPHALOGRAM IN MAN A65-82278
- AVANT, L. L.
RESPONSE LATENCY IN VIGILANCE TASK WITH CONSTANT
AND VARIABLE INTERVAL SCHEDULES A65-81643
- AVENIROVA, YE. D.
OXYGEN STARVATION AND ACCELERATION EFFECT ON
CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS
IN BRAIN TISSUE JPRS-28630 N65-16136
- AVERKIN, E. G.
CHANGES IN LIVER LIPID METABOLISM OF RATS
SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS A65-33527
- EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711
- AVIADO, D. M.
CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF
NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG,
MJ1999, IN DOGS A65-81714
- AVNER, R. A.
DETECTION OF RATE CHANGES IN PERIODIC PROCESSES
CSL-R-235 N65-19410
- AVRUNINA, G. A.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- AWAD, E. A.
ENZYME ACTIVITY AFTER CONTROLLED EXERCISE A65-80022
- AX, A. F.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TEMPERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS A65-81054
- DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY NASA-CR-156 N65-15546
- VALIDATION OF SENSOR, TRANSMITTER, AND DATA
PROCESSING FUNCTIONS IN HUMAN BIOTELEMETRY
AMRL-TR-64-124 N65-17730
- AXELROD, I.
VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE

- SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES FROM MANNED CHAMBER TESTING A65-10831
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA NAVTRADEVCE-1444-1 N65-33459
- AXELROD, J.
CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT OF RAT PINEAL GLAND A65-80654
- AXELROD, S.
AGING AND VISUAL IDENTIFICATION OF TACTUAL-KINESTHETIC FORMS A65-81123
- AZENBERG, A. A.
COMPENSATION MECHANISMS IN CHRONIC OXYGEN DEFICIENCY IN BLOOD CIRCULATORY SYSTEM N65-17791
- AZHIPA, IA. I.
ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL DOSES OF IONIZING RADIATION A65-80648
- AZIZ, J. P.
SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS SPECTROMETER METHOD A65-80627
- AZZENA, G. B.
EYE NYSTAGMUS ELICITED BY STIMULATION OF NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT A65-80944
- OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG FOLLOWING CALORIC STIMULATION OF LABYRINTH A65-81313
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC CENTERS IN RABBITS WITH INJURY AND ELECTRIC STIMULATION A65-82354
- AZZI, J. R.
RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF ALGAE AND HIGHER PLANTS A65-80846
- B**
- BABINSKY, A. D.
BOSCH PROCESS CLOSED CYCLE OXYGEN PRODUCTION UNIT FOR SPACE APPLICATION AICE PREPRINT 47A A65-15398
- CARBON DIOXIDE REDUCTION UNIT FOR CONTINUOUS HIGH RATE OXYGEN REGENERATION IN ZERO GRAVITY ENVIRONMENT A65-29060
- REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM A65-34478
- BABSKIY, YE. B.
TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF MECHANICAL QUANTITIES IN PHYSIOLOGICAL INVESTIGATIONS FTD-TT-63-1192/1E4 N65-10284
- RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND RATE OF PRESSURE CHANGE IN RIGHT AND LEFT VENTRICLES NASA-TT-F-9384 N65-27686
- DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE NASA-TT-F-264 N65-34507
- BABUSHKIN, V. I.
EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION AND BREATHING OXYGEN AT EXCESS PRESSURE N65-13638
- HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL ACCELERATION N65-13639
- BACH, S. A.
BIOLOGICAL SENSITIVITY AND INTERACTION WITH RADIOFREQUENCY AND MICROWAVE ENERGY A65-81090
- BACHMANN, W.
INSTRUMENT FOR CONTINUOUS REGISTRATION OF PULSE IN WORK STUDIES A65-81189
- BACHOFER, B. T.
NAVIGATION AND CONTROL SIMULATION PORTION OF OVERALL MANNED SPACE CABIN TEST PROGRAM AIAA PAPER 65-277 A65-22167
- BACK, K. C.
PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND RAT A65-81215
- MONKEY PERFORMANCE FOLLOWING INJECTION OF DECABORANE AMRL-TDR-64-74 N65-10268
- BACKUS, S. N.
STIMULUS CODING REFLECTED BY VARYING DISCHARGE PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF CAT DURING ACOUSTICAL STIMULATION A65-82268
- BACQ, Z. M.
ROLE OF OXYGEN IN PHENOMENA OF CHEMICAL PROTECTION AGAINST IONIZING RADIATION A65-80367
- RADIOPROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE IN X-IRRADIATION MICE A65-81029
- INITIAL CHEMICAL DAMAGE DUE TO RADIANT ENERGY ABSORPTION IN CELLULAR STRUCTURES N65-23451
- RADIATION PROTECTION BY CHEMICAL COMPOUNDS IN MAMMALS N65-23468
- BADRE
ENVIRONMENTAL CONTROL OF CLOSED SPACE IN NUCLEAR SUBMARINE A65-81039
- BAER, D. J.
CRITICAL FLICKER FREQUENCY INFLUENCED BY REPEATED MEASUREMENT AND INTERVAL BETWEEN SESSIONS A65-80456
- TRAVELING PREFERENCE, FLYING EXPERIENCE AND SEX DIFFERENCES RELATED TO DETAILS EXPRESSED IN AIRCRAFT DRAWINGS A65-80458
- BAER, L. J.
CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE A65-82164
- BAER, R. L.
VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY A65-81089
- BAEVSKII, R. M.
MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS AMPLIFICATION A65-13397
- VOSTOK SATELLITE PHYSIOLOGICAL TELEMETRY DURING INTERPLANETARY FLIGHT, CONSIDERING BIOLOGICAL CONTROL AND INFORMATION TRANSMISSION TO EARTH AND MEDICAL INVESTIGATIONS BY CODING A65-32301
- SYSTEMS OF BIOLOGICAL TELEMETRY AS APPLIED TO BEHAVIORAL, PHYSIOLOGICAL AND MEDICAL RESEARCH A65-80011
- TELEMETRIC DEVICES FOR STUDY AND CONTROL OF PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET SPACE MISSIONS A65-80333
- EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND VOSTOK 6 A65-80921
- MEDICAL SUPPORT OF PROLONGED INTERPLANETARY MISSIONS A65-80932

- RECORDING OF PHYSIOLOGICAL FUNCTIONS DURING
INTERPLANETARY FLIGHTS, MEDICAL SUPPORT AND
BIOTELEMETRY A65-82076
- BAGCHI, B. K.
VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX
A65-80641
- PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES
DURING SLEEP IN MAN A65-80642
- BAKALOV, D.
REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY
REACTION OF SULFUR IN SATAL DRUG CONTAINING
GARLIC AND LEAD POWDER
JPRS-30863 N65-27037
- BAKAN, P.
SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP
BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF
REPORT, AND ANXIETY A65-80561
- COMPLEXITY JUDGMENTS OF PHOTOGRAPHS RELATED TO
LOOKING TIME A65-82330
- BAKER, B. L.
AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR
LEARNING A65-80262
- BAKER, C. H.
PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3 N65-15728
- BAKER, J. D.
SHORT TERM MEMORY USING RESPONSE VECTORS
EQUIVALENT TO DICHOTOMOUS SCORES
ESD-TR-64-678 N65-19353
- BAKER, M. A.
OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD,
AND THERMONEUTRAL WATER A65-80078
- BAKER, P. T.
DIET SURVEY OF QUECHUA INDIANS AT HIGH ALTITUDE IN
PERUVIAN ANDES A65-80449
- BODY-CHARACTERISTICS EFFECT ON HUMAN TEMPERATURE
RESPONSES TO HIGH ALTITUDE COLD
AD-422588 N65-15129
- BAKER, R.
PATHOGEN-FREE FOOD PLANTS IN MICROCOSM - HIGH
INTENSITY LIGHT EFFECT ON PLANT GROWTH
NASA-CR-50170 N65-17067
- BAKER, R. D.
INCREASE OF PERIODIC ACID SCHIFF REAGENT
POSITIVE GRANULES IN FOOD DEPRIVED MOUSE
INTESTINAL EPITHELIUM DURING GLUCOSE ABSORPTION
A65-80013
- BALAKHOVSKIY, I. S.
DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS
N65-13641
- BALDACHIN, B. J.
CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF
KEROSENE POISONING A65-80531
- BALDISSERA, F.
TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS
A65-81380
- BALDRIDGE, B. J.
DELAYED FEEDBACK SELF-TRACKING AND RECORDING
INSTRUMENT A65-80740
- BALDRIDGE, H. D., JR.
TOXICOLOGICAL ASPECTS OF MISSILES AND
CONTAMINATION IN CLOSED SPACE OF SUBMARINES
A65-81237
- BALDWIN, H. A.
SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS
FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING
- ENVIRONMENTAL FACTORS
AD-612908 N65-26003
- BALFOUR, W. M.
SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482
- BALKE, B.
HEART FUNCTION UNDER HYPOXIA AT HIGH ALTITUDE AND
RELATED PROBLEMS OF BLOOD AND PULMONARY RESPONSE
A65-80208
- GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY
A65-81610
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR
BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION
AM-64-2 N65-16161
- EVALUATION OF TREADMILL AND GRADATIONAL STEP TEST
FOR ASSESSING CARDIORESPIRATORY CAPACITY
AM-64-3 N65-16215
- BALL, E. A.
ZERO GRAVITY EFFECT ON REGENERATION AND NORMAL
GROWTH OF TOBACCO STEM SEGMENTS
NASA-CR-59238 N65-32090
- BALL, L. W.
MECHANICAL, MEDICAL, AND MORAL PROBLEMS RELATED TO
MANNED SPACE FLIGHT A65-80435
- BALLOU, S. R.
PHENOMENAL VERTICAL AND PERCEPTION OF CHANGE IN
SPATIAL ORIENTATION A65-81655
- BALOGH, K., JR.
HISTOCHEMICAL DEMONSTRATION OF
ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF VESTIBULAR BONES OF GUINEA PIGS
A65-81044
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- BALTAC, M.
PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT
PROTECTION AND APPLICATION OF PHYSIOCHEMICAL
ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1&2&3&4 N65-28531
- BALTZER, V.
SIMULTANEOUS VISUAL DISCRIMINATION PERFORMANCE OF
MONKEY AFTER ADMINISTRATION OF MEPROBAMATE
A65-81440
- BAMBENEK, R. A.
RELIABILITY OF LIFE SUPPORT SYSTEMS USING GENERIC
FAILURE RATES FOR COMPONENTS
SAE PAPER 912G A65-12905
- BANCHERO, N.
TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT
A65-26531
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN
SATURATION DECREASE DUE TO PULMONARY ARTERIAL-
VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO
FORWARD ACCELERATION A65-29057
- CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016
- PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS N65-17306
- BLOOD OXYGEN CHANGES INDUCED BY FORWARD
ACCELERATION
AMRL-TR-64-132 N65-21039
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS
AMRL-TR-64-133 N65-22476

- BANCROFT, R. W.**
RAPID DECOMPRESSION OF ANIMALS TO NEAR VACUUM,
STUDYING TIME OF CONSCIOUSNESS, COLLAPSE AND
SURVIVAL A65-32630
- PATHOLOGICAL EFFECTS OF RAPID DECOMPRESSION IN
EXPERIMENTAL DOGS, EXAMINING TISSUES AND LUNG
DAMAGE** A65-32631
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN** A65-81730
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION** A65-81731
- NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES,
GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN
MICE EXPOSED TO ACCELERATION STRESS** A65-81948
- CONSTRUCTION AND OPERATION OF SMALL ANIMAL
CENTRIFUGE FOR CARRYING OUT EXPOSURES TO
GRAVITATIONAL FIELD
SAM-TR-65-23** N65-33738
- BANDARUK, W.**
MICROBIAL CONTAMINANTS EVALUATION FOR STERILITY IN
INTERIORS OF SPACECRAFT, NOTING CULTURING
TECHNIQUE A65-25418
- BANDINI, E.**
EFFECT OF 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE ON
IMPROVING RAPIDITY AND REGULARITY OF MOTOR
RESPONSE TO VISUAL AND ACOUSTIC STIMULATION IN
AVIATION PERSONNEL A65-32793
- 5 PHENYL-2 IMINO-4 OXY-OXAZOLIDINE EFFECTS ON
PSYCHOMOTOR PERFORMANCE IN FLYING PERSONNEL** A65-81995
- BANNIKOV, A. G.**
TRITON HIBERNATION IN FROST ENVIRONMENT
NASA-TT-F-9162 N65-18336
- BARANOV, V. I.**
ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
- PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
EFFECT ON GROWTH OF ORGANISM AND VITAL
ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS** N65-31378
- BARANOVSKIY, V. V.**
AEROSPACE OPHTHALMOLOGY - HUMAN PERFORMANCE AND
ENVIRONMENTAL EFFECTS ON VISION IN FLIGHT N65-13643
- THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE
VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY** N65-13644
- PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION
ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI** N65-13645
- BARASHOVA, Z. I.**
INCREASING RESISTANCE FOR PROTECTION AGAINST
PHYSIOLOGICAL HAZARDS IN FLIGHT N65-13646
- BARBARESI, F.**
MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK A65-80513
- BARBASHOVA, Z. I.**
ERYTHROCYTE FRAGILITY AND BLOOD REACTIONS IN RATS
ADAPTED TO HYPOXIA A65-80590
- REORGANIZATION OF CELL CHEMISTRY DURING HYPOXIA
ACCLIMATIZATION** N65-17811
- BARBIERE, R. E.**
VIABILITY MONITOR TO OBTAIN FACTUAL QUANTITATIVE
INFORMATION ON PHYSIOLOGICAL RESPONSES OF
INDIVIDUALS
AMRL-TDR-62-98 /IIII/ N65-14491
- BARBORIAK, J. J.**
ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY
LIPEMIA AND HEPARIN A65-80668
- BARCELO, J. L.**
PSYCHOPHYSIOLOGICAL HAZARDS OF MANNED SPACE
FLIGHT A65-81792
- BARDINA, R. A.**
GRAVITATIONAL STRESS EFFECT ON ARTERIAL WALL
JPRS-28476 N65-15353
- BARENSEN, G. V.**
IONIZING RADIATION WITH DIFFERENT LINEAR ENERGY
LOSS EFFECT ON REPRODUCTIVE CAPACITY OF HUMAN
KIDNEY CELLS N65-23464
- BARENSEN, G. W.**
MODIFICATION OF RADIATION DAMAGE IN KIDNEY CELL
CULTURE BY FRACTIONATION OF DOSE, ANOXIA, AND
CHEMICAL PROTECTORS IN RELATION TO LINEAR ENERGY
TRANSFER A65-80162
- BARER, A. S.**
POSTERIOANTERIAL TRANSVERSE ACCELERATION OF
MAXIMAL DURATION A65-80393
- EFFECT OF INCLINED POSITIVE ACCELERATION ON
HUMAN EXTERNAL RESPIRATION** A65-80398
- PHYSIOLOGICAL REACTIONS OF HUMAN ORGANISM TO
TRANSVERSE ACCELERATIONS AND MEANS OF RAISING
HUMAN TOLERANCE TO SUCH FORCES
NASA-TT-F-274** N65-10315
- PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO
CENTRIPETAL ACCELERATIONS** N65-13768
- IGNIC SHIFTS IN HUMANS AND ANIMALS DURING HYPOXIA
CAUSED BY LOW BAROMETRIC PRESSURE, ACCELERATION,
AND VIBRATION** N65-17809
- BARILA, T. G.**
CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-
HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM
A65-81398
- LIFE SUPPORT SYSTEMS TO REVERSE DEATH - USE OF
SMALL ARTIFICIAL HEART PUMP IN DOGS** N65-22733
- BARKER, L. M.**
EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- BARKER, R. S.**
THEORETICAL BASES, ANALYTICAL RELATIONSHIPS AND
PROGRAMMING METHODS FOR DIGITAL COMPUTER MODEL OF
HUMAN BIOTHERMAL SYSTEM
AIAA PAPER 65-500 A65-29668
- BARKOVSKAIA, G. E.**
EFFECT OF CAMPHOR ON CARBOHYDRATE-PHOSPHORUS AND
OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA
IN RATS A65-80628
- BARLOW, H. B.**
EDGE EFFECTS OF MOVEMENT OF GRATING BEHIND FIXED
APERTURE LEADS TO SPURIOUS ESTIMATES OF OPTICAL
RESOLUTION IN INSECTS AND MAN A65-36092
- BARLOW, J. S.**
EVOKED RESPONSES IN RELATION TO OCULOMOTOR
REACTION TIMES AND VISUAL PERCEPTION IN MAN
A65-16466
- EVOKED POTENTIALS IN RELATION TO VISUAL PERCEPTION
AND OCULOMOTOR REACTION TIMES IN MAN** A65-80645
- BARNES, F. S.**
LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- BARNES, S.**
GEMINI SUIT TESTING BY ARTICULATED DUMMY IN SPACE
ENVIRONMENT SIMULATOR A65-17191

- APOLLO MISSION SPACE SUIT DESIGN CHARACTERISTICS
A65-17293
- HUMAN SUBJECTIVE REACTION TO WHOLE BODY VIBRATION
A65-25991
- BARNETT, S. A.**
ADAPTATION OF DOMESTIC MICE TO COLD ENVIRONMENT
A65-82103
- BARNETT, T.**
STIMULUS PRESENTATION AND METHOD OF SCORING IN
SHORT TERM MEMORY EXPERIMENTS
A65-82349
- BARNOTHY, J. M.**
PHYSICAL PROPERTY OF MAGNETIC AND GEOMAGNETIC
FIELDS AND RESPONSES OF BIOLOGICAL SPECIMEN
A65-80410
- OVERCOMING DETRIMENTAL EFFECTS OF LONG-TERM
EXPOSURES TO MAGNETIC FIELDS BY PERIODICALLY
CHANGING POSITIONS OF ASTRONAUTS AND USING
INHOMOGENEOUS FIELDS TO ELIMINATE DISCOMFORT
CAUSED BY WEIGHTLESSNESS
A65-80412
- GROWTH RATE OF MICE OF DIFFERENT AGES EXPOSED TO
HOMOGENEOUS AND INHOMOGENEOUS MAGNETIC FIELDS
A65-80416
- REJECTION OF TRANSPLANTED TUMORS IN MICE OF BOTH
SEXES EXPOSED TO MAGNETIC FIELDS
A65-80417
- INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND
STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH
PARAMAGNETIC STRENGTH
A65-80428
- MECHANISMS FOR NAVIGATION OF MIGRATING BIRDS
POSSIBLY APPLICABLE TO GUIDANCE OF MISSILES
A65-80433
- BARNOTHY, M. F.**
BIOLOGICAL EFFECTS OF MAGNETIC FIELDS
A65-80409
- MAGNETIC FIELD EFFECT ON GENETIC CODE OF MOUSE
A65-80415
- CIRCULATING LEUKOCYTE NUMBER CHANGES OF YOUNG AND
OLD FEMALE MICE EXPOSED TO MAGNETIC FIELDS
A65-80418
- REDUCTION OF X-RAY IRRADIATION MORTALITY OF MICE
THROUGH MAGNETIC FIELD PRETREATMENT
A65-80419
- INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND
STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH
PARAMAGNETIC STRENGTH
A65-80428
- BARNWELL, F. H.**
ORIENTATION OF PLANARIANS AND SNAILS TO ARTIFICIAL
MAGNETIC FIELDS APPROXIMATING MAGNETIC FIELD OF
EARTH
A65-80432
- BARONE, T. F.**
IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION
A65-18224
- BARONENKO, V. A.**
INFLUENCE OF INSULATION OF COLLAR ZONE ON
CONDITIONED REFLEX ACTIVITY AND ARTERIAL
PRESSURE OF ANIMALS
N65-27426
- BARRATT, P. E. H.**
SUBLIMINAL DISCRIMINATION AND CONCEPT OF VIGILANCE
A65-80996
- BARRON, C. I.**
BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO
45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS
AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK
ROLE
A65-24075
- HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND
CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST
FLIGHTS
A65-29068
- EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM
8,000 TO 45,000 FEET
A65-81072
- BARRY, A. J.**
BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION
A65-80205
- BARRY, W.**
EYE LID MOVEMENT EFFECT UPON ELECTRO-OCULOGRAPHIC
RECORDING OF VERTICAL EYE MOVEMENTS
A65-81969
- BARSKIY, I. YA.**
FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL
INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN
IRRADIATED BIOLOGICAL CELLS
N65-23457
- BARTELS, H.**
LOW OXYGEN AND HIGH CARBON DIOXIDE TENSION
EXPERIENCED BY MAMMALIAN FETUS WITHIN AND BENEATH
EARTH ATMOSPHERE PARALLELED TO MANNED SPACE
FLIGHT
A65-26437
- MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS
A65-80312
- BARTELS, R. L.**
ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD
PRESSURE, AND NET OXYGEN COST
NASA-CR-59419
N65-10119
- BARTENEV, B. D.**
AUTOMATED LABORATORY APPARATUS FOR STUDY OF
ANIMAL CONDITIONED REFLEX
JPRS-30962
N65-28133
- BARTHELMESS, A.**
RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS
A65-81300
- BARTLETT, D., JR.**
POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN
A65-80665
- BARTLETT, N. R.**
EVOKED POTENTIALS AND CORRELATED JUDGMENTS OF
BRIGHTNESS AS FUNCTIONS OF INTERFLASH INTERVALS
A65-81158
- SYNCHRONIZATION ERROR IN BIMANUAL OPERATION OF
CONTROLS
A65-81572
- BARTLETT, R. G., JR.**
CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE
ROCKET BI-PROPELLANTS FOR LIFE SUPPORT, INCLUDING
ATMOSPHERE AND CONTAMINANT CONTROL
A65-14234
- CORNUCOPIA, STORABLE BI-PROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143
- BARTLEY, S. H.**
CRITICAL FLICKER FREQUENCY - THEORETICAL
INTERPRETATION OF VARIOUS QUALITATIVE AND
QUANTITATIVE ASPECTS
A65-80459
- FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY
MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC
INTERMITTENCY
A65-80460
- BARTRAM, R. P.**
CASE HISTORIES OF DYSPNEA OF NEUROTIC ORIGIN IN
PILOTS
A65-81822
- BASHAJIAN, J. V.**
HUMAN POSTURE AND MUSCULAR SYSTEM IN RELATION TO
GRAVITY
A65-80987
- BASS, D. E.**
SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN
ACCLIMATIZATION TO WORK IN HEAT
A65-80304

- OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES
OF MAN TO WORK IN HOT ENVIRONMENTS A65-80675
- BASSHAM, J. A.
CHEMICAL INHIBITION OF PHOTOSYNTHETIC CARBON
REDUCTION CYCLE IN CHLORELLA PYRENOIDOSA A65-81762
- BASTIEN, J.
OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF
MECHANICS WORKING ON JET AIRCRAFT BASES A65-80125
- BATH, D. M.
CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION
EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON
VARIOUS ANIMALS A65-18431
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND
TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND
MONKEYS BREATHING RELATIVELY PURE OXYGEN A65-80581
- BATTERSON, R. L.
INTERPLANETARY MISSION LIFE SUPPORT SYSTEM
EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE
CONDITIONING, WATER MANAGEMENT, TEMPERATURE
CONTROL AND SYSTEM INTEGRATION A65-22954
ASME PAPER 65-AV-33
- BATTERTON, R. L.
SPACE MISSION SIMULATION SYSTEM DESIGN DEVELOPMENT
AND MANAGEMENT TECHNIQUES INCLUDING FOUR-MAN 30-
DAY MISSION SPACE CHAMBER EXPERIMENT A65-23616
- BATTIG, K.
PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY
AFTER CORTEX ABLATION A65-11451
NASA-TT-F-9178
- BATTIGELLI, M. C.
EYE AND PULMONARY FUNCTION AS AFFECTED BY DIESEL
EXHAUST GASES A65-80828
- BAUDITZ, W.
AGE FACTOR IN RETENTION OF CALCIUM IN BLOOD PLASMA A65-81385
- BAUER, B. B.
COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS A65-19423
CLD-1720
- BAUER, R. O.
CASE HISTORY OF AERODEMBOLISM TREATED BY
HYPOTHERMIA A65-81523
- BAUERMEISTER, M.
BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC
PERCEPTION OF VERTICALITY A65-80018
- BAUMBER, J.
LIPOGENESIS OF COLD-EXPOSED AND HIBERNATING GOLDEN
HAMSTERS A65-81501
- COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL
DURING COLD EXPOSURE IN HIBERNATING AND
NON-HIBERNATING RODENTS A65-81707
- BAUMBERGER, J. P.
OXYGEN DELIVERY RATE OF HUMAN BLOOD A65-24592
SAM-TR-64-89
- BAUMEISTER, A.
SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED,
EXPOSURE TIME, AND DISTANCE A65-80517
- BAUST, W.
TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX A65-80888
- AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP A65-80945
- AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
- TENOTOMIZED MIDDLE EAR MUSCLES A65-80946
- BAXTER, R. C.
EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS A65-22992
UR-661
- BAYEVSKIY, R. M.
PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS A65-36232
- BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS A65-12733
- PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT A65-12734
- TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION A65-12735
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS A65-13627
- TRANSMISSION OF MEDICAL INFORMATION OVER TELEMETRY
CHANNELS OF LIMITED CAPACITY A65-13640
- EVALUATING ASTRONAUT CONDITION AND ACTIVITY IN
PROLONGED SPACE FLIGHT A65-13965
NASA-TT-F-271
- INFLUENCE OF PROLONGED WEIGHTLESSNESS ON
AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED
AMPLIFICATION OF TONUS OF VAGUS NERVE A65-15445
- RADIO ELECTRONICS IN SPACE MEDICINE A65-18041
FTD-TT-64-836/162
- BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK
BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR
RECORDING BIOLOGICAL DATA DURING MOVEMENT AND
ACTIVITY A65-22425
FTD-MT-64-416
- CLINICAL ASPECTS OF MEDICAL PROGRAM FOR
INTERPLANETARY FLIGHT WITH PHYSICIAN IN
SPACECREW A65-23423
- CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL
HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND
VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC
DATA A65-23424
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA
PROCESSING IN SPACE BIOLOGY A65-29740
NASA-TT-F-9514
- DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER
SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE
CYBERNETICS A65-35783
NASA-TT-F-9588
- BAYKOV, A. YE.
PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT A65-12734
- BEAN, J. W.
GENERAL ADVERSE EFFECTS AND VARIOUS PHYSIOLOGICAL
RESPONSES OF OXYGEN AT HIGH TENSION - A REVIEW A65-80364
- METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE A65-81149
- FACTORS INFLUENCING OXYGEN TOXICITY IN MAN AND
ANIMAL A65-81528
- BEARD, J. D.
IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND
VENTILATION OF SUBJECTS IN STANDING, SITTING, AND
SUPINE POSITIONS A65-81179
- BEARDSHALL, A.
VIGILANCE TASK PERFORMANCE AND INDICES OF

- PHYSIOLOGICAL AROUSAL A65-80560
- BEASLEY, G. P.
MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM
TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE
AIAA PAPER 64-393 A65-14698
- HUMAN VISION AND DEPTH PERCEPTION AGAINST
SIMULATED SPACE BACKGROUND
NASA-TN-D-2845 N65-34500
- BEASLEY, J. L.
RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF
RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED
BY ACCELERATION A65-82207
- BEASLEY, W. G.
BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182 N65-20474
- BEATLEY, J. C.
STATUS OF INTRODUCED PLANT SPECIES AT NEVADA
NUCLEAR TEST SITE - ECOLOGY
UCLA-12-554 N65-24228
- SURVIVAL OF WINTER ANNUALS IN GROUND CONTAMINATED
WITH NUCLEAR RADIATION
UCLA-12-555 N65-32824
- BEATTIE, J. R.
HEALTH HAZARDS FROM RELEASE OF FISSION PRODUCTS
FOLLOWING REACTOR ACCIDENT - EXTERNAL RADIATION
FROM RADIOACTIVE CLOUD, INHALATION, OR
INGESTION OF RADIOACTIVE SUBSTANCES
AHSB/S/-R-64 N65-25154
- BEAU, J. F.
SYSTEM FOR MANAGEMENT OF HUMAN FACTOR IN PHYSICS
OF FAILURE N65-30316
- BEAUMARIAGE, M. L.
RADIOPROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE
IN X-IRRADIATION MICE A65-81029
- BEAUSSANT, M.
PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS A65-80874
- BEBIN, J.
SURVIVAL OF DOGS WITH BRAIN INJURY BY FREEZING AS
AFFECTED BY HYPOTHERMIA A65-82291
- BECK, J.
LIGHTNESS PERCEPTION RELATED TO PERCEPTION OF
SPATIAL POSITION A65-80793
- ACCOMODATIVE ASTIGMATISM AND PATTERN ACUITY
A65-82200
- BECK, R. H.
FLIGHT FATIGUE AS RELATED TO VISUAL PROBLEMS AND
FLIGHT SAFETY A65-80028
- BECKER, E. J.
CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606
- BECKER, W. C.
VIABILITY MONITOR TO OBTAIN FACTUAL QUANTITATIVE
INFORMATION ON PHYSIOLOGICAL RESPONSES OF
INDIVIDUALS
AMRL-TDR-62-98 /III/ N65-14491
- BECKETT, P. G. S.
DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY
NASA-CR-156 N65-15546
- BECKMAN, E. L.
HIGH ACCELERATIVE FORCES EFFECT UPON CHIMPANZEES
IMMERSED IN WATER IN CONSTANT VOLUME G CAPSULE
A65-19844
- POSITIVE ACCELERATION EFFECT ON CHIMPANZEES
IMMERSED IN WATER A65-80727
- HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSED
IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139 N65-15558
- BECKWITH, F. D.
MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921
- BEDARD, E. J.
LIGHTWEIGHT HEAD ENCLOSURE FABRICATION FOR
AEROSPACE ENVIRONMENT
AMRL-MEMO-M-57 N65-11277
- BEDRAK, E.
OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY
ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT
ENVIRONMENT A65-80705
- BLOOD SERUM ENZYME ACTIVITY OF DOGS TO HEAT STRESS
AND MUSCULAR EXERCISE A65-81603
- FIBRINOLYTIC ACTIVITY OF EXERCISING DOG PRIOR TO
AND AFTER ACCLIMATIZATION IN HOT ENVIRONMENT
A65-82167
- BEDWELL, T. C.
HISTORICAL REVIEW AND CURRENT PROBLEMS IN
MONITORING HEALTH OF ASTRONAUTS A65-81835
- BEEBE, D. E.
SURFACE REACTION FORCES ON MAN WALKING UNDER
REDUCED GRAVITY
MECH/GA-64-1 N65-20613
- BEEBE, G. W.
CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR
WORKERS OF VARIOUS AGES A65-82038
- BEECHER, H. K.
DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND
SECUBARBITAL ON SELF-EVALUATION A65-80004
- BEEHLER, C. C.
PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN
ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND
OTHER SEVERE OCULAR DAMAGE A65-14385
- CHANGES IN EYE DURING EXPOSURE TO HIGH OXYGEN
ENVIRONMENTS A65-80605
- BEEH, R. T.
RELATIONSHIP BETWEEN AIRCRAFT DAMAGE ESTIMATES AND
INJURY TO OCCUPANTS A65-30101
- BEER, G.
DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION
INDUCED BY HEAT STRESS AS INDICATION OF
ACCLIMATIZATION AND ALDOSTERONE ACTIVITY
A65-80958
- BEERING, S. C.
PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-1DR-64-58 N65-11422
- BEEVER, E. R.
IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT -
LIFE SUPPORT SYSTEMS N65-34620
- BEGENAT, A. H.
HYPEROXIC EFFECT ON RESPIRATION IN NORMAL MEN AND
PATIENTS WITH CHRONIC HYPOXEMIA A65-81344
- BEGGS, J. C.
APOLLO EXTRAVEHICULAR MOBILITY UNIT DESCRIBING
PRESSURE SUIT FOR LUNAR SURFACE USE
NYAS PAPER TP 65-01 A65-17201
- BEGHE, R.
TREATMENT OF ACUTE CARBON MONOXIDE POISONING
A65-80283
- BEGUIN, F. P.
TESTING AND EVALUATING HEARING PROTECTORS

- A65-81130
- BEH, H. C.
SUBLIMINAL DISCRIMINATION AND CONCEPT OF VIGILANCE
A65-80996
- BEHAN, R. A.
SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK
COMPLEXITIES FOR OPERATIONAL CREWS
NASA-CR-146 N65-14449
- BEINHOCKER, G. D.
VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS
WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC
ACTIVITY A65-80783
- BEISCHER, D. E.
BIOLOGICAL EFFECTS OF 100,000 OE MAGNETIC FIELDS
ON MICE, DROSOPHILA AND SEA URCHIN EGGS,
PARTICULARLY SURVIVAL AND GENETIC EFFECTS
A65-32826
- SURVIVAL OF ANIMALS, INCLUDING MICE AND FRUIT FLY,
DROSOPHILA MELANOGASTER, IN MAGNETIC FIELDS OF
140,000 OERSTEDS A65-80425
- EFFECT OF VERY HIGH MAGNETIC FIELD ON HEART RATE
AND CELL DIVISION IN MAN AND ANIMAL
NASA-CR-52453 N65-16486
- BEKESY, G. VON
INHIBITION AND TIME AND SPATIAL PATTERNS OF NEURAL
ACTIVITY IN SENSORY PERCEPTION A65-82267
- BEKEY, G. A.
MATHEMATICAL DESCRIPTION OF INPUT-OUTPUT BEHAVIOR
OF HUMAN OPERATOR ACTING AS ELEMENT IN CLOSED LOOP
CONTROL SYSTEM A65-25202
- CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM
A65-35474
- TECHNIQUES FOR PARAMETER DETERMINATION IN
MATHEMATICAL MODELS OF HUMAN PILOT
NASA-CR-143 N65-14848
- BELAI, V. E.
MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087
- DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198
- EFFECT OF CERTAIN DRUGS ON ANIMAL ORGANISM
RESPONSE TO ACCELERATION STRESS DURING SPACE
FLIGHTS A65-81936
- BELAY, V. YE.
ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277 N65-10303
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
- USE OF DRUGS TO INCREASE BODILY RESISTANCE TO
FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654
- EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
N65-14528
- STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO
EFFECTS OF ACCELERATION N65-17746
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS
DURING SPACE FLIGHT N65-26919
- ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909 N65-32356
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS N65-34776
- BELDING, H. E.
ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602
- BELIAEV, P. I.
BELIAEV DESCRIPTION OF 17-ORBIT FLIGHT OF VOSKHO
II INCLUDING SPACECRAFT DESIGN AND CONTROL, LIFE
SUPPORT SYSTEM AND WALK-IN-SPACE
A65-35254
- BELIAEVA, L. A.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS
ON BONE MARROW CELL DIVISION OF MICE
A65-32303
- EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW
CELLS IN MICE A65-82078
- BELILOVSKIY, M. A.
MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIOELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- BELL, C. R.
PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF
TWO AGE GROUPS IN HOT CONDITIONS
A65-80629
- SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING
SEVERE HEAT EXPOSURE A65-80679
- TIME ESTIMATION AND INCREASES IN BODY TEMPERATURE
A65-81987
- BELL, D. W.
PREDICTING HEARING LOSS FROM NOISE-INDUCED
TEMPORARY THRESHOLD SHIFT A65-80838
- BELL, J. W.
HEMODYNAMIC RESPONSE OF LOWER EXTREMITIES TO
EXERCISE A65-81127
- BELL, L.
EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- BELL, R. L.
ENGINEERS ROLE IN REGARD TO BIOLOGICAL SCIENCES,
NOTING TREND IN EDUCATION A65-33501
- BELLELLI, L.
MEASURING OF P O2 IN CEREBRAL CORTEX OF RATS WITH
TECHNIQUES BASED ON OXYGEN ELECTRODE THEORY
A65-32794
- OXYGEN TENSION MEASUREMENT TECHNIQUES BY DIRECT
INTRODUCTION OF ELECTRODES INTO TISSUES IN RAT
A65-81996
- BELLER, H. K.
ADAPTATION TO PRISMATICALLY ROTATED VISUAL FIELDS
A65-81020
- BELLUSCHI, A.
CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN
CLINICAL PRACTICE
NASA-TT-F-9497 N65-33261
- BELMONT, I.
SOCIAL DIFFERENCES IN AUDITORY PERCEPTION
A65-81569
- BELMONT, L.
UTILIZATION OF GLUTAMINE BY VARIOUS ALGAE
A65-81958
- BELOGORTSEVA, YE. P.
DRUGS FOR PREVENTION AND TREATMENT OF
AIRSICKNESS N65-13636
- BELOSHITSKIY, P. V.
CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH

- ALTITUDES N65-17828
- BELOUSOV, B. P.
RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS
NASA-TT-F-9259 N65-18337
- BELOUSOVA, L. YE.
BLOOD FLOW CONSIDERED AS HARTMANN FLOW FOR
INHIBITION BY MAGNETIC FIELD
JPRS-30635 N65-25876
- BELOZERSKIY, A. N.
DNA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY
OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA
NASA-TT-F-316 N65-32973
- BELSCHER, D. E.
SUSTAINED LOW MAGNETIC FIELD EFFECT ON VISION -
TEN DAY TEST ON FOUR MALE VOLUNTEERS
NASA-CR-56356 N65-16485
- BELSKY, T.
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES
FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION
YEARS OLD A65-23841
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO
BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR
ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- BELTON, N. J.
GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE
SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL
AGAINST TOXICITY OF PROPELLANTS A65-11400
- BELYAYEV, A. A.
TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION N65-12735
- BELYAYEVA, L. A.
EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- BEMBROWSKI, B.
X-RAY DIAGNOSIS - REVIEW OF PROGRESS SINCE 1941
AND APPLICATION TO AVIATION MEDICINE A65-80404
- BENALLY, N. R.
TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS
AND C. SPILOSOMA/ FOR WATER DEPRIVATION DURING
HIBERNATION A65-81470
- BENARD, H.
ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003
- BENAZET, P.
TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE A65-80609
- BENCHIMOL, A.
CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING
HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL
A65-82250
- BENDER, A. D.
INCREASING AGE EFFECT ON DISTRIBUTION OF
PERIPHERAL AND REGIONAL FLOW IN MAN A65-80814
- BENDER, M.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724
- BENDER, M. A.
PRUTON IRRADIATION EFFECT ON LIVING TISSUE
NASA-CR-52679 N65-17289
- GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF
ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD
CELLS N65-36114
- BENDIXEN, H. H.
OXYGEN BREATHING AND RESPIRATION DURING
HYPOTHERMIA A65-82002
- BENECKE, T.
MAN-MACHINE PROBLEMS IN VTOL AIRCRAFT -
TECHNOLOGICAL ASPECTS N65-28455
- BENES, L.
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND
CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID
SYNTHESIS AFTER RADIATION N65-23461
- BENESTAD, A. M.
HEART RATE, OXYGEN CONSUMPTION, BLOOD VOLUME, AND
HEMOGLOBIN LEVEL OF OLD MEN DURING TREADMILL
EXERCISE A65-82302
- BENFARI, R.
RELATIONSHIP BETWEEN VERTICAL ORIENTATION IN ROD
AND FRAME TEST AND IN COMPENSATION TRACKING TASK
A65-81650
- RELATIONSHIP BETWEEN PERCEPTION ORIENTATION
AND COMPENSATORY TASK PERFORMANCE
RM-260J N65-36206
- BENFARI, R. C.
EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO
MAKE CARRIER APPROACHES
NAVTRADEVEN-1432-1 N65-31080
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVEN-1432-1-S1 N65-35542
- BENGSON, M. H.
MAINTAINING ENVIRONMENTAL CONTROL REQUIREMENTS FOR
FABRICATION AND ASSEMBLY OF STERILE SPACE VEHICLES
A65-30032
- BENINSON, D.
ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC
PLANTS
REPT.-138 N65-21186
- STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND
DIETS OF CHILDREN N65-36616
- BENJAMIN, F. B.
OXYGEN EFFECT ON RADIATION RESISTANCE OF MICE
EXPOSED TO IONIZING DOSES IN CONTROLLED
ENVIRONMENT A65-14225
- OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY
TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE
EXERCISE A65-80077
- RADIATION RESISTANCE OF MICE AS AFFECTED BY
EXERCISE AND OXYGEN BREATHING A65-80132
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- BENNET-CLARK, H. C.
OCULOMOTOR RESPONSE TO SMALL TARGET REPLACEMENTS
A65-80806
- BENNETT, G.
HUMAN FACTORS PROBLEMS OF CONCORD /SUPERSONIC,
HIGH-ALTITUDE TRANSPORT AIRCRAFT/
A65-82370
- BENNETT, P. B.
CORTICAL CARBON DIOXIDE AND OXYGEN OF CAT AT HIGH
PRESSURES OF ARGON, NITROGEN, HELIUM, AND OXYGEN
A65-82156
- BENNETT, S.
TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49 N65-30346

- BENNINGHOFF, W. S.**
TRANSPORT OF POLLEN, SPORES, AND OTHER MICROSCOPIC PARTICULATES OF PLANT ORIGIN IN ATMOSPHERE NEAR EARTH SURFACE
N65-23992
- BENOIT, R. J.**
CULTURE TECHNIQUE AND ENVIRONMENTAL FACTORS IN USING ALGAE FOR PHOTOSYNTHETIC GAS EXCHANGE
A65-80378
- BENSON, R. E.**
USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL SPECIMENS
A65-81970
- BENSON, R. W.**
BONE AND TISSUE VIBRATOR ASSEMBLY FOR HEARING BY CONDUCTION AND FOR MECHANICAL POINT IMPEDANCE
AMRL-TR-65-11
N65-30036
- BENTAL, E.**
EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY IN POSTERIOR HYPOTHALAMUS IN CATS
A65-82275
- BENTLEY, K. E.**
EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-15153

EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-22137
- BENZINGER, T.**
PHYSIOLOGICAL TEMPERATURE-CONTROL MECHANISM OF HUMAN BODY LOCATED IN FRONT SECTION OF HYPOTHALAMUS
A65-25075

THERMOREGULATION AND HYPOTHALAMUS IN MAN IN HOT AND COLD ENVIRONMENTS
A65-81082
- BENZINGER, T. H.**
THERMOREGULATORY PHYSIOLOGICAL DEFENSE MECHANISMS AND MOLECULAR ENERGY TRANSFORMATION OF HUMAN BODY
NASA-CR-52183
N65-16487
- BERANEK, J.**
NATURAL AND SOCIAL ASPECTS IN HUMAN PSYCHOLOGY
FTD-TT-64-65/1
N65-16287
- BERDYKULOV, KH.**
PHOTOSYNTHESIS OF CHLORELLA VULGARIS BEYER AT MASS CULTIVATION TO INVESTIGATE LIGHT FACTOR ON SYNTHESIS AND MULTIPLICATION OF SPECIES
N65-28102
- BERDYSHEV, G. D.**
RADIOPROTECTIVE ACTION OF MELANIN IN X-RAY RADIATION EXPOSURE IN MICE
A65-80543
- BEREGOVKIN, A. V.**
RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST
N65-13647
- BERESTOVSKIY, G. N.**
ELECTRICAL MODEL OF NERVE FIBER AND PROTOPLASM DIFFUSION PROCESSES DURING EXCITATION OF NERVE
N65-32662
- BEREZIN, I. P.**
IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE OXYGEN TENSION
JPRS-30818
N65-27028
- BEREZOVSKIY, V. A.**
ENERGY INDICES TO STATE OF CENTRAL NERVOUS SYSTEM IN HYPOXIA
N65-17770

SCIENTIFIC CONFERENCE - POLAROGRAPHIC DETERMINATION OF OXYGEN METABOLISM IN TISSUES
N65-24878
- BEREZOVSKIY, V. I.**
OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN BREATHING AT NATURAL HIGH ALTITUDES AND DURING SIMULATED ALTITUDE
A65-81873
- BEREZYUK, G. S.**
CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES
JPRS-30442
N65-25457
- BERG, A. I.**
COLLECTIVE MONOGRAPH OF U.S.S.R. RESEARCH IN CYBERNETICS COVERING PHILOSOPHICAL, BIOLOGICAL, PSYCHOLOGICAL, AND MATHEMATICAL ASPECTS
JPRS-29764
N65-21882
- BERG, K. J.**
CHANGES OF SERUM GLUTAMIC-OXALDACETIC TRANSAMINASE AND SERUM LACTIC DEHYDROGENASE DURING PHYSICAL EXERTION
A65-80621
- BERGER, C.**
MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE WATER FROM URINE, WASH WATER AND HUMIDITY CONDENSATES BY ELECTRODIALYSIS
ASME PAPER 65-AV-16
A65-23224
- BERGER, E. M.**
ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM DUE TO OXYGEN STARVATION
N65-25026
- BERGER, K. W.**
ELECTROMYOGRAM OF LIMB AS INDICATOR OF RESPONSE TO AUDITORY STIMULI
A65-80196
- BERGERON, H. P.**
VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT CONTROL SYSTEM
NASA-TN-D-2569
N65-14119
- BERGES, D.**
DIURNAL VARIATIONS IN ELECTROCARDIOGRAM OF MAN ON BED REST WHILE FASTING
A65-82213
- BERGMAN, H. C.**
PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD STRESS FOR INTERPRETATION OF DIFFERENCES IN ACTION OF THERAPEUTIC DRUGS AT VARIOUS ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20
N65-25254
- BERGMANN, F.**
NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC STIMULATION OF RABBIT EYE
A65-81086
- BERGQUIST, L. M.**
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA
A65-81378
- BERGSTEDT, M.**
VESTIBULAR CALORIC TEST CARRIED OUT WITH FOUR SUBJECTS ON HUMAN CENTRIFUGE
A65-81805

RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM
NASA-CR-63423
N65-26409
- BERITASHVILI, I. S.**
TYPES OF MEMORY IN ANIMALS - ANIMAL STUDY
NASA-TT-F-304
N65-14945
- BERKLEY, W. J.**
HEALTH, MORALE AND BEHAVIORAL HABIT CORRELATION WITH FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL FACILITIES, NOTING STRESS-RELATED SYMPTOMS
A65-22910

FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL FACILITIES AND STRESS-RELATED SYMPTOMS
A65-80895
- BERKOVICH, D. M.**
PRODUCTION AUTOMATION, INDUSTRIAL ELECTRONICS, AND CYBERNETICS
FTD-MT-64-188
N65-11099
- BERKSHIRE, J. R.**
PILOT SELECTION AND NAVAL AVIATION
A65-81041

PHYSICAL PERFORMANCE OF NAVAL AVIATOR TRAINEES

- FROM VARIOUS PROCUREMENT SOURCES AS RELATED TO
DURATION OF TRAINING SYLLABUS A65-82117
- BERKSON, D. M.**
VALIDITY OF PHONOARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE A65-80079
- BERLINER, D. C.**
PERFORMANCE EVALUATION IN SIMULATOR TRAINING
ENVIRONMENT
NAVTRADEVEN-1449-1 N65-14797
- BERLUCCI, G.**
TENSOR TYMPANI REFLEX IN CAT TO CLICKS DURING
SLEEP AND WAKEFULNESS AND AFTER ABLATION OF
AUDITORY CORTEX A65-80888
- AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP
A65-80945
- AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES A65-80946
- BERMAN, P. W.**
CONTOUR EFFECT ON SIMULTANEOUS BRIGHTNESS CONTRAST
A65-80853
- BERNAL, J. D.**
MOLECULAR MATRICES FOR LIVING SYSTEMS WITH THEORY
OF METEORITIC ORIGIN A65-80469
- BERNARD, S. R.**
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY
OF RADIOACTIVE MATERIAL IN COMPARTMENTED
SYSTEM
ORNL-3809 N65-25848
- BERNARD, Y.**
2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND
BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION
A65-80824
- BERNARDINI, A.**
PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY
MECHANICS A65-81035
- BERNASKONI, L.**
HUMAN BEHAVIOR IN SPACE VEHICLE
JPRS-27880 N65-12875
- BERNAT, A.**
ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP
CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384
- BERNOTAT, R.**
FLIGHT INDICATOR FUNDAMENTALS IN TERMS OF CONTROL
THEORY AND MAN-MACHINE INTEGRATION
A65-21156
- BERNSTEIN, A.**
TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFARCTION A65-80588
- BERNSTEIN, B. R.**
SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING
SKILL
AMRL-MEMO-P-53 N65-11638
- BERNSTEIN, L.**
SIMPLIFICATION OF CLINICAL CALORIC TEST FOR
VESTIBULAR FUNCTION WITH REDUCTION IN PERFORMANCE
TIME A65-81046
- BERNSTEIN, T.**
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON
A65-14831
- BERRY, C.**
NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER
TWO CODING CONDITIONS A65-82113
- BERRY, C. A.**
PHARMACEUTICALS AND ADMINISTRATIVE MEANS FOR
EFFECTING PERFORMANCE CHANGES IN ASTRONAUTS UNDER
FLIGHT STRESSES A65-33278
- BERRY, L. J.**
CORTISONE INFLUENCE ON GLYCOGENOGENESIS, ENDOTOXIN
LETHALITY, AND TRYPTOPHAN PYRROLASE INDUCTION IN
COLD-EXPOSED MICE
AAL-TDR-64-5 N65-19289
- CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM,
AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD
AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND
RADIOACTIVE TRACING MEASUREMENTS
AAL-TDR-64-14 N65-27531
- ENZYME INDUCTION AND CORTISONE PROTECTION IN
ENDOTOXIN-POISONED MICE
AAL-TDR-64-8 N65-30826
- BERRY, W. B.**
PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND
MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY
A65-80176
- BERSHTEYN, S. A.**
EFFECT OF IRRADIATION BY ULTRASONIC WAVES ON
MORPHOLOGICAL COMPOSITION AND PHYSICOCHEMICAL
PROPERTIES OF ANIMAL BLOOD N65-28701
- BERSON, I.**
INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA A65-81308
- BERTELSON, P.**
SERIAL CHOICE REACTION-TIME AS FUNCTION OF
RESPONSE VERSUS SIGNAL-AND-RESPONSE REPETITION
A65-81100
- BERTHOZ, A.**
BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW
FREQUENCY VIBRATIONS A65-81364
- BERTI, F.**
HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945
- BERTIN, M.**
STATISTICAL ANALYSIS OF INCIDENCE OF CLINICAL
SIGNS DURING ACUTE CARBON MONOXIDE POISONING
AND PROGNOSTIC VALUE A65-80286
- BERTONE, C. M.**
MANUAL CONTROL SYSTEMS, HUMAN ENGINEERING, AND MAN
IN SPACE - BIBLIOGRAPHY OF RUSSIAN LITERATURE
ON MANNED SPACE FLIGHT TECHNOLOGY
NASA-CR-199 N65-21226
- BERTONI, R.**
DECOMPRESSION CHAMBER TEST IN
OTORHINOLARYNGOLOGICAL EVALUATION OF FLIGHT
PERSONNEL A65-80915
- BERTRAND, A.**
EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF
PILOTS A65-36399
- BERTRAND, A. R.**
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- BERTSCH, W. F.**
RELATIVE MAXIMUM IN DECAY OF LONG-TERM DELAYED
LIGHT EMISSION FROM PHOTOSYNTHETIC APPARATUS OF
ALGAL AND HIGHER PLANTS A65-80846
- BESCH, F. L.**
LIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM
DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO
ACCELERATIVE FORCE A65-82149
- MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO
ACCELERATIVE FORCE A65-82155
- BETELEVA, T. G.**
DEPENDENCE OF RESPONSE OF INDIVIDUAL NEURONS OF
RABBIT LATERAL GENICULATE BODY ON THE INTENSITY
OF LIGHT STIMULUS A65-30701

- BETOCCHI, G.**
STATISTICAL TABLE FOR EVALUATION OF ACCIDENTS DUE
TO DEFECTIVE VISUAL ACUITY A65-81268
- BEUMER, H. M.**
PULMONARY DIFFUSING CAPACITY AS PHYSIOLOGICAL
INDEX DETERMINED BY SPIROGRAPHIC METHOD USING
CARBON MONOXIDE AND HELIUM A65-81477
- BEVAN, W.**
VIGILANCE PERFORMANCE WITH A QUALITATIVE SHIFT IN
REINFORCERS DURING AUDITORY TASK A65-81617
- RESPONSE LATENCY IN VIGILANCE TASK WITH CONSTANT
AND VARIABLE INTERVAL SCHEDULES A65-81643
- RESPONSE LATENCY IN SIMPLE VIGILANCE TASK AS
FUNCTION OF TEMPORAL PATTERN OF STIMULATION A65-81855
- PERCEPTION OF AUDITORY PATTERNS AS FUNCTION OF
INCIDENTAL VISUAL STIMULATION A65-28173
- BEVEGARD, B. S.**
VASCULAR TONE CHANGES OF VEINS IN
EXTREMITIES DURING SUPINE EXERCISE A65-80271
- FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS A65-81909
- BEYER, D. H.**
DECOMPRESSION SICKNESS AND INCIDENCE OF
NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF
MEDICAL TEAM A65-34200
- DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL A65-80896
- TEAM APPROACH TO MEDICAL MANAGEMENT OF
DECOMPRESSION SICKNESS IN AIRMEN A65-82033
- BEYSEBAYEV, A. A.**
INFLUENCE OF BLOODLETTING ON BONE MARROW FUNCTION
DURING RADIATION SICKNESS N65-10306
- BEZUGLYY, V. P.**
HYPOXIA IN PATHOLOGY OF LIVER DISEASES N65-17802
- BHATT, B. J.**
PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN
DIFFERENT POSITIONS IN SPACE AS RELATED TO
DIRECTION OF PERCEPTION A65-81377
- BHATTACHARYA, A. N.**
BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND
PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED
BY HYPOXIA A65-81026
- BIALECKI, A.**
ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628
- BIALECKI, M.**
TISSUE AND BLOOD SATURATION WITH BIOTIN IN
RELATION TO CHARACTER OF MUSCULAR WORK A65-81963
- BIBIKOVA, A. F.**
NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH
ENERGY PROTONS IN DOGS A65-82241
- BICHEIKINA, N. I.**
ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION
HEMOGLOBIN IN RATS A65-80538
- FORMATION OF METHEMOGLOBIN IN RABBITS AFTER
INTRAVENOUS INJECTION OF CHEMICAL RADIOPROTECTORS A65-81267
- BICKFORD, R. G.**
EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN
MAN A65-80639
- BIELICKI, Z.**
MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE
FOR HUMAN TOLERANCE N65-16798
- BIEN, A. R.**
SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE N65-19352
- BIERI, R.**
LIFE FORMS ON OTHER PLANETS PROBABLY SIMILAR TO
THOSE ON EARTH A65-81219
- BIERNSON, G.**
VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN
RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL
RESPONSE A65-32883
- BIGELOW, W. G.**
ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG
AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND
EPINEPHRINE A65-81025
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA
MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
INVESTIGATIONS OF BLOOD AND BROWN FAT A65-81457
- TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS A65-81460
- BIGET, P.-L.**
REGENERATION OF OXYGEN AND GAS EXCHANGE SYSTEMS
FOR SPACECRAFT A65-81793
- BILLINGHAM, J.**
PHYSIOLOGICAL RESPONSES OF MAN TO SPACE
ENVIRONMENT, OUTLINING REQUIREMENTS NECESSARY TO
SUPPORT LIFE A65-12543
- SPACE ENVIRONMENT SIMULATION OF VACUUM
DECOMPRESSION TO DETERMINE SURVIVAL AND
AND RECOVERY PROBABILITY - ANIMAL STUDY
NASA-TM-X-51669 N65-24039
- SPACE RADIATION EFFECTS ON APOLLO MISSION - DOSE
LIMITS FOR CREW PROTECTION N65-34591
- BILODEAU, I. M.**
TRANSFER OF TRAINING ACROSS TARGET SIZES IN
SUBJECT-PACED TRACKING TASK A65-81977
- BINASCHI, S.**
TETRAETHYL LEAD TOXIC EFFECTS ON WATER BALANCE A65-81745
- BINDER, A.**
DECISION-MAKING SUCCESS RELATED TO LEADERSHIP IN
SMALL GROUPS - MATHEMATICAL APPROACH A65-80790
- BINFORD, J. R.**
VIGILANCE FOR AUDITORY INTENSITY CHANGES AS
FUNCTION OF PRELIMINARY FEEDBACK AND CONFIDENCE
LEVEL A65-30099
- BIRCH, H. G.**
SOCIAL DIFFERENCES IN AUDITORY PERCEPTION A65-81569
- BIRDSALL, T. G.**
THEORY OF SIGNAL DETECTABILITY AND
DEFERRED DECISION THEORY A65-81424
- BIRKHEAD, N. C.**
SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST A65-12131
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS N65-18587

- BISHOP, B.**
EFFECT OF COMPRESSION ON COMPOSITION AND
ABSORPTION OF TISSUE GAS POCKETS IN RATS
A65-81907
- BISHOP, D. W.**
QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19
N65-14061
- BISHOP, P. O.**
RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE
NUCLEUS /Diencephalon/ OF CAT TO MOVING VISUAL
PATTERNS
A65-81302
- BISI, R. H.**
POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- BIZIN, YU. P.**
WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN
RATS IN LOW PRESSURE CHAMBER
A65-81671
- CHANGES IN RESPIRATORY AND CARDIOVASCULAR
FUNCTIONS AFTER PROLONGED EXPOSURE TO
LOW BAROMETRIC PRESSURE
N65-13723
- CHANGES OF HIGHER NERVOUS ACTIVITY AND VEGETATIVE
REACTIONS DURING LONG EXPOSURE TO RELATIVE
ADYNAMIA AND ISOLATION
FTD-TT-64-635/1&2&4
N65-19197
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427
N65-27713
- BJURSTEDT, A. G. H.**
REFLEX CHANGES OF RESPIRATION AND PULMONARY GAS
EXCHANGE DURING EXPOSURE OF MAN AND DOG TO HIGH G
A65-80369
- BLACK-SCHAFER, B.**
TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION
A65-18433
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION
A65-80583
- BLACK, J. N.**
PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS
ENTEROTOXIN - ANIMAL STUDY
N65-22747
- BLACKBURN, L. H., JR.**
AVIATION PERSONNEL SYNCOPE EVALUATED, CONSIDERING
PHYSIOLOGICAL CAUSES AND HYPERSENSITIVE RESPONSES
A65-14239
- EVALUATION OF PHYSIOLOGICAL SYNCOPE IN AVIATION
PERSONNEL
A65-80147
- BLACKMON, J. R.**
ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR
FUNCTION TEST
A65-80556
- MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS
A65-81135
- BLAIR, E.**
LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA
A65-80059
- BLAIR, H. A.**
RADIOLOGY AND RADIOBIOLOGY RESEARCH TO DETERMINE
RADIATION EFFECTS, CHEMICAL AND RADIOACTIVE
MATERIAL TOXICITY, AND RADIOACTIVE ISOTOPE
APPLICATIONS
UR-668
N65-33020
- BLAIR, W. H.**
IMPACT STRESS IN CHIMPANZEES SUBJECTED TO G
FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC
DEHYDROGENASE AND LDH ISOENZYME ANALYSIS
A65-22911
- BLAKE, M. I.**
PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND
OTHER PRIMATES AND USE OF EEG AS FATIGUE
INDICATOR DETERMINED FROM PARTIAL SPACE CABIN
SIMULATION
N65-28773
- BLANC, C.**
UTILIZING ELECTROENCEPHALOGRAPHY IN AEROSPACE
MEDICINE
A65-81788
- CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION
A65-81812
- THEORETICAL AND PRACTICAL PROBLEMS CORRELATING
ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR
SELECTING PERSONNEL
A65-81813
- BLANCHARD, G. C.**
HYDROGEN GENERATION FROM SUGARS AND NATURAL
PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL
CELL
REPT.-10
N65-24964
- BLANCHET, M. R.**
MAN-MACHINE RELATIONSHIP - SUPERSONIC CONCORDE
AIRCRAFT AERODYNAMIC CHARACTERISTICS AND
SYSTEMS ANALYSIS
N65-28456
- BLANCO, J. F.**
RESISTANCE TO HYPOXIA AND HYPOTHERMIA
A65-81794
- ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803
- VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS
A65-81804
- CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS
A65-81806
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG
A65-81839
- BLASCO, R. J.**
NATURE AND ROLE OF BACTERIAL CONTAMINANTS IN MASS
CULTURES OF THERMOPHILIC CHLORELLA PYRENOIDOSA
A65-81286
- BLATT, M. H.**
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE
A65-82286
- BLATT, W. F.**
HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD
A65-82192
- BLATTEIS, C. M.**
CHANGES IN ADIPOSE TISSUE IN RATS ACCLIMATED TO
HIGH ALTITUDE
A65-82015
- BLEI, I.**
OPTICAL ACTIVITY IN UV REGION OF SPECTRUM
DEVELOPED, USING OPTICAL ROTATION TO DETECT
EXTRATERRESTRIAL LIFE
A65-30678
- BLEICH, H. L.**
RAPID ESTIMATION OF PLASMA CARBON DIOXIDE TENSION
FROM PH AND TOTAL CARBON DIOXIDE CONTENT
A65-81282
- BLEICHERT, A.**
EXERCISE HYPERTHERMIA AND THERMOREGULATION IN MAN
A65-80691
- BLIDE, R. W.**
MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE
AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND
BRONCHITIC SUBJECTS
A65-80069

- BLISS, J. C.
DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION
OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147
- OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRIO
AFOSR-65-0042 N65-27933
- BASIC STUDIES ON TACTILE PERCEPTION AND
COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS,
INSTRUMENTATION, AND EQUIPMENT
NASA-CR-322 N65-36764
- BLITZ, B.
INTERMODAL DIFFERENCES IN PERCEPTUAL
DELAY AND SPEED OF READING AND TAPPING
A65-80259
- BLIUGER, A. F.
PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON
BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND
VARIOUS ORGANS IN RATS
A65-80394
- BLIZZARD, J. J.
SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61 N65-12131
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- BLOIS, M. S.
RANDOM POLYMERS AS A MATRIX FOR CHEMICAL
EVOLUTION - EXAMPLE OF MELANIN
A65-80467
- BLOKHINA, B. D.
RADIATION EFFECT ON LIPID COMPLEXES AND ON LIPID
METABOLISM IN CELL
N65-23460
- BLOOM, A.
OXYGEN BREATHING MASKS SELECTION, FIT, AND
APPLICATION - EQUIPMENT SPECIFICATIONS
N65-29752
- BLOOMBERG, M.
FIELD INDEPENDENCE-DEPENDENCE AND SUSCEPTIBILITY
TO DISTRACTION
A65-81564
- BLOSE, W.
COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
NASA-CR-174 N65-18501
- BLOUNT, S. G., JR.
ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS
LIVING AT HIGH ALTITUDE
A65-82252
- BLUM, B.
COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE
A65-80159
- BLUM, H.
ELECTROPHYSIOLOGICAL IMPLICATIONS OF MODEL OF
GLOBAL FUNCTION USING SIMPLE SIMULTANEITY -
BRAIN FUNCTION STUDIES WITH EEG
N65-28767
- BLUM, H. F.
PHOTOCHEMICAL REACTIONS IN SKIN AND EYE AND HEAT
EFFECTS OF SUNLIGHT ON HUMAN BODY
A65-80492
- PROBABILITIES CONCERNING ORIGIN AND EVOLUTION OF
LIFE
A65-81738
- BLYTH, C. S.
PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY
TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT
TEMPERATURE
A65-80547
- BOAZ, D. J.
BIONICS, SOLUTION OF ENGINEERING PROBLEMS BY
APPLICATION OF FUNCTIONAL PRINCIPLES DERIVED FROM
- BIOLOGICAL SYSTEMS
A65-24146
- BOBEW, G.
OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND
CARBON DIOXIDE
A65-81205
- BOCCARDI, S.
RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
CYSTEAMINE
A65-80351
- BOCHNIAK, F.
FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY
MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC
INTERMITTENCY
A65-80460
- BOCHVAR, I. A.
TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAIEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT
A65-81387
- BOCKRATH, R.
BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM
COMPOUNDS
N65-10115
- BOECKER, B. B.
APPARATUS WITH PLETHYSMOGRAPH TO MONITOR
RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY
SYSTEM
LF-16 N65-11573
- BOGACZ, J.
EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING
ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY
IN MAN
AFOSR-64-1841 N65-16752
- BOGATSKAYA, L. N.
AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764
- BOGATYREV, A. V.
RADIOPROTECTIVE EFFICIENCY OF MEXAMINE
A65-81243
- BOGDANOV, V. V.
ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD
VOSKHOD 1 NOTING APPARATUS RECORDING
ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAF,
DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF
ASTRONAUTS
A65-34946
- MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED
SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785
- BOGDANOVA, L. V.
LOWER VERTEBRATES ADAPTATION TO HYPOXIA
N65-17753
- BOGDEN, A. E.
EFFECT OF FREEZE PRESERVATION AND THAWING OF
RHESUS MONKEY ERYTHROCYTES - CRYOGENICS
AD-465702 N65-27526
- BOGDONOFF, M. D.
PATTERNS OF FAT MOBILIZATION IN FIELD-DEPENDENT
AND FIELD-INDEPENDENT SUBJECTS
A65-81406
- BOGNER, R. L.
RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTOBIOCHEMISTRY - ABIOTIC GENESIS
NASA-CR-63560 N65-27062
- BOGOSLOVSKII, A. I.
HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC
CURRENT
A65-80748
- BOHANNON, R. L.
CONTRIBUTIONS OF AEROSPACE MEDICAL RESEARCH TO
EVERYDAY LIFE
A65-80623
- BOHM, F.
VIBRATION EFFECT AND INCIDENCE OF GYNECOLOGIC
COMPLAINTS IN FEMALE VEHICLE OPERATORS
A65-80446
- BOKANDER, I.
TIME ESTIMATION AS INDICATOR OF ATTENTION AND/OR

- AROUSAL IN VIEWING COMPLEX AND MEANINGFUL STIMULI
A65-82345
- BOKHOV, B. B.**
BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS
N65-13727
- BOLDOVICI, J. A.**
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM
NASA-CR-67080
N65-33972
- BOLIE, V. W.**
INTERACTING FIELDS OF BIOLOGY AND ENGINEERING -
BIONICS AND BIOENGINEERING
N65-16602
- BOLTAX, A. J.**
CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING
COLD PRESSOR TEST
A65-81600
- BOMMER, W. J.**
EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY
SIZE IN RATS
A65-81429
- BONAIUTO, P.**
MODIFICATION IN VISUAL AND KINESTHETIC
AFTEREFFECT DURING SENSORY DEPRIVATION
A65-80084
- CRITICAL FLICKER FUSION FREQUENCY AND DARK
ADAPTATION AFTER SENSORY DEPRIVATION
A65-80085
- CAPACITY OF RECOGNIZING MASKED FIGURES AFTER
SENSORY-MOTOR DEPRIVATION
A65-82193
- BONDAREV, E. V.**
EFFECT OF CHANGE IN GAS MIXTURE ON BIOPOTENTIALS
OF AUDITORY AREA OF CEREBRAL CORTEX IN ANIMALS
AND ON FUNCTION OF ACOUSTIC ANALYZER IN MAN
N65-13648
- BONDAREVSKIY, M. S.**
HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760
- BONDURANT, S.**
EFFECT OF RESPIRATORY FREQUENCY ON PULMONARY
MECHANICS
A65-81708
- EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE
ON PULMONARY SURFACTANT IN MAMMALS
A65-81898
- BONESTELL, C.**
CHARACTERISTICS OF MARS AND POSSIBILITY OF
EXISTENCE OF LIFE
A65-81018
- BONGARD, M. M.**
COLOR PERCEPTION IN HUMAN BY CUTANEOUS MEANS
A65-81230
- BONGERS, L.**
PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE
SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE
CONTROL AND FOOD PRODUCTION
A65-17930
- OXYGEN CONCENTRATION EFFECT ON GROWTH RATE,
CONVERSION EFFICIENCY, AND CELL COMPOSITION -
CYTOGENESIS
NASA-CR-55188
N65-17069
- BONICA, J. J.**
ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346
N65-14761
- BONNARDEL, R.**
MENTAL CAPACITY AS FUNCTION OF AGE /17-40 YEARS/
IN GROUPS OF PROFESSIONAL WORKERS
A65-81395
- BONSIGNORE, D.**
METHOD FOR DETERMINATION OF BLOOD DEHYDRASE
ACTIVITY IN LEAD POISONING
A65-81621
- BOONE, F. W.**
PREDICTION AND VERIFICATION OF ROCKET PROPELLANT
TEST FIRINGS AS RELATED TO AIR POLLUTION
A65-80220
- BOQUE, M. N.**
HISTORY OF SPANISH CONTRIBUTIONS TO AVIATION AND
SPACE MEDICINE
A65-81828
- BORCHERS, K. H.**
HUMAN PERFORMANCE EVALUATION IN CURRENT
BALLISTIC MISSILE TEST PROGRAM, NOTING
MINUTEMAN PROGRAM
A65-34681
- BORDEN, G. J.**
INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT
TR-751-3
N65-15105
- GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4
N65-34537
- BORDET, R.**
TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE
A65-80609
- BOREN, L. M.**
FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING
DEVICES FOR FIXED PROCEDURES TASKS
TR-65-4
N65-30134
- BOREVA, L. I.**
BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE
MEDICINE AND BIOASTRONAUTICS PUBLISHED IN
U.S.S.R., 1962-1964
NASA-TT-F-270
N65-22968
- BORGHI, J. H.**
NORMAL DISTRIBUTION OF HUMAN REACTION TIMES TO
VISUAL STIMULUS
A65-82337
- BORISKIN, V. V.**
EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM
A65-80752
- GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-
OXYGEN ATMOSPHERE
N65-13649
- BORISOV, V.**
PROBLEMS OF SPACE BIOLOGY AND MEDICINE - SPEED
AND ACCELERATION, WEIGHTLESSNESS, BIOSPHERE, FOOD
SUPPLY, HUMAN FACTORS, COSMIC RADIATION
FTD-MT-63-200
N65-18427
- BORISOVA, O. F.**
ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029
- BORMAN, F.**
MANNED SPACE FLIGHT AS RELATED TO MANNED AIRCRAFT
FLIGHT AND PILOT CONTRIBUTION TO MEDICAL AND
ENGINEERING PERSONNEL IN SPACECRAFT DESIGN
A65-80137
- BORNGEN, F.**
ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE
WITH CIRCULATORY DISTURBANCES INFLUENCED BY
BEDREST AND EXERCISE
A65-82214
- BORNSCHEIN, H.**
PHYSIOLOGICAL ASPECTS OF FLICKER ELECTRORETINOGRAM
COMPONENTS AND FREQUENCY CHARACTERISTICS
A65-80771
- BORODIN, K. F.**
MEDICAL EXAMINATIONS OF FLIGHT PERSONNEL
N65-13650
- BORODINA, E. N.**
DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS
A65-82048

- BORSHCHEVSKII, I.**
PROBLEMS OF NOISE HAZARD DURING SPACE FLIGHT AND
IN JET PLANES A65-81925
- BORSHCHEVSKIY, I. YA.**
EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL
MEASURES N65-13778
- BORSKY, I.**
EOSINOPHIL LEVELS IN PERIPHERAL BLOOD AFTER STATIC
AND DYNAMIC WORKLOADS A65-80002
- BORUCKI, H.-J.**
RESONANCE FREQUENCIES OF THE HUMAN SKULL -
AUDIOMETRIC EFFECTS AND PROTECTION A65-82143
- BOSCH, P.**
OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022
- BOSOMWORTH, P. P.**
PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING
DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE
A65-81402
- BOST, W. E.**
RADIOACTIVE FALLOUT - LITERATURE ON MATERIALS
PRODUCED BY NUCLEAR EXPLOSIONS
TID-3086, SUPPL. 2 N65-21442
- SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH
RADIATION EFFECTS ON MAMMALIAN EYE
TID-3912/INDEX/ N65-31958
- BOTAN, E. A.**
SUGGESTED EXPERIMENTS IN SEARCH FOR
EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM A65-16032
- EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND
POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC
AND TELEVISION INSTRUMENT PACKAGE FOR TELEMTRY
A65-16557
- EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA
QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE
ORANGE REACTION A65-30679
- FLUORESCENCE MICROSCOPY EXAMINATION OF ORGUEIL
METEORITE **ORGANIZED ELEMENTS** WITH
MORPHOLOGICAL CHARACTERISTICS RESEMBLING CELLS OR
ORGANISMS OF EARTH ORIGIN A65-82366
- BOUCK, A. J.**
TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY
OF M-1 CARBINE
AMRL-YDR-64-90 N65-11899
- BOUMAN, M. A.**
CORTICAL CONTROL OF EYE MOVEMENTS AND VISUAL
THRESHOLD
AD-453155 N65-18000
- BOURDON, R. D.**
COMPARISON OF ERROR IN FIVE SORTING PROCEDURES FOR
ORDINAL RANKING A65-81447
- BOUVEROT, P.**
VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917
- BOUVILLE, P.**
DECOMPRESSION CHAMBER TEST IN
OTORHINOLARYNGOLOGICAL EVALUATION OF FLIGHT
PERSONNEL A65-80915
- BOWEN, H. M.**
APPARENT MOVEMENT PHENOMENA ON CATHODE RAY TUBE
DISPLAYS
NASA-CR-67527 N65-36429
- BOWER, J. L.**
SELECTIVE INTERMANUAL TRANSFER OF ADAPTIVE EFFECTS
DURING ADAPTATION TO PRISM A65-82282
- BOWER, T. G. R.**
DESTRUCTION OF STEREOPSIS - THREE THEORIES OF
STEREOPSIS A65-80025
- TEMPORAL PARAMETERS OF BINOCULAR RIVALRY
A65-80406
- BOWERS, R. W.**
ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD
PRESSURE, AND NET OXYGEN COST
NASA-CR-59419 N65-10119
- BOWES, J. B.**
ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AC-450346 N65-14761
- BOYARKIN, V. P.**
CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS
AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED
N65-13703
- BOYCE, P. R.**
VISUAL PERCEPTION OF MOVEMENT IN ABSENCE OF
EXTERNAL FRAME OF REFERENCE - TIME AND VELOCITY
FACTORS A65-81577
- BOYKO, YE. I.**
INTERACTION OF VERBAL SIGNAL WITH DIRECT SIGNAL
ANALYZED FOR SIMPLE AND COMPLICATED REACTIONS
AND RELATED TO REACTION TIME IN HUMAN BEHAVIOR
JPRS-27879 N65-12770
- BOYLE, R. C.**
VISUAL MASKING USING VARIOUS TEST STIMULUS
PATTERNS
NASA-TM-X-51978 N65-29381
- BOYNTON, R. M.**
NEGATIVE FLASHES, POSITIVE FLASHES, AND FLICKER
EXAMINED BY INCREMENT THRESHOLD TECHNIQUE
A65-81016
- BOYSEN, J. E.**
OCCUPATIONAL HEALTH PROGRAM FOR SPACE OPERATION AT
MERRIT ISLAND LAUNCH AREA AT CAPE KENNEDY
A65-82197
- BRAASCH, W.**
RESPIRATORY AND CIRCULATORY CHANGES AFTER
EXPERIMENTAL FAT EMBOLISM IN DOGS
A65-81688
- BRACCIARENTI, J.**
FLIGHT CREW UNIFORMS EXPOSED TO THERMAL RADIATION
AD-453922 N65-18468
- BRACKETT, N. C., JR.**
ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO
STEPWISE ELEVATIONS OF ARTERIAL CARBON DIOXIDE
TENSIONS A65-80823
- BRADHAM, G. B.**
PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION
FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN
MALE - MATHEMATICAL MODEL
RM-4347-PR N65-23037
- BRADLEY, E.**
THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
OF POLYPHOSPHORIC ACID A65-80483
- BRADLEY, H. J.**
DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN
MACROMOLECULES OF BIOLOGICAL INTEREST WITH
MAGNETIC SUSCEPTIBILITY
NASA-CR-60122 N65-14803
- BRADLEY, R. D.**
RATE OF CHANGE OF CARBON DIOXIDE TENSION IN
ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL
CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE
CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN
PATIENTS A65-82073
- BRADY, J. F.**
HUMAN ROTATIONAL TOLERANCE DETERMINED FROM
EQUILIBRIUM AND WALKING CHANGES AT 5, 7-1/2, 10
AND 12 RPM IN REVOLVING SPACE STATION

- SIMULATOR** A65-22905
 ROTARY TRACKING OF TARGET AND TARGET LIGHT BY 24 ENGINEERS IN SPACE STATION SIMULATOR REVOLVING AT 7.5, 10.0 AND 12.0 RPM A65-22907
 ROTARY TRACKING OF TARGET AND LIGHT IN SPACE STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND 12.0 RPM A65-80894
 EQUILIBRIUM AND WALKING CHANGES OBSERVED IN REVOLVING SPACE STATION SIMULATOR A65-80947
- BRADY, J. V.**
 COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF BEHAVIOR NASA-CR-53475 N65-15373
 TIMING BEHAVIOR AND STIMULUS TRAINING ON TWO MALE ALBINO RATS NASA-CR-53693 N65-17052
 EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS N65-22304
 BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL NASA-CR-62606 N65-23283
 COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE PROGRAMS WITH ANIMALS N65-28770
- BRADY, T. G.**
 ANIMAL STUDIES ON PURIFICATION PROCEDURES TO ELIMINATE BACTERIAL CONTAMINATION AD-444390 N65-10012
- BRAIGINSKIY, V. M.**
 VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN HIGH ALTITUDE ENVIRONMENT N65-17826
- BRAINARD, R. W.**
 ENHANCING QUALITY OF IMAGERY INVESTIGATED USING STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS AMRL-TR-65-28 N65-30632
- BRAINERD, H.**
 MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS A65-80371
- BRAKSH, T. A.**
 TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/ REQUIREMENTS UNDER NERVOUS STRESS IN DOGS A65-80723
- BRANCAZIO, P. J.**
 ORIGIN AND EVOLUTION OF PLANETARY ATMOSPHERES AND OCEANS A65-80889
- BRANDT, A. B.**
 EFFECT OF AERATION ON COEFFICIENT OF SPECTRAL ABSORPTION IN SUSPENSION OF CHLORELLA SP. A65-81938
- BRANN, I.**
 SIGNIFICANCE OF ELECTROCARDIOGRAPHIC PATTERN FOR ASSESSMENT OF DEGREE AND TYPE OF LEFT VENTRICULAR HYPERTROPHY CORRELATION OF HEMODYNAMIC STATE TO ELECTROCARDIOGRAM AT REST AND DURING WORK A65-81108
- BRANT, J. W. A.**
 INSTANTANEOUS HEART ACCELERATION DURING X-15 AIRCRAFT FLIGHT A65-80082
- BRAIT, H. R.**
 X-15 PROGRAM BIOMEDICAL ASPECTS INCLUDING BIOINSTRUMENTATION AND TELEMETRY, PRESSURE SUIT DEVELOPMENT, PHYSIOLOGICAL DATA OBTAINED AND PILOT PERFORMANCE A65-22688
 BIOINSTRUMENTATION DEVELOPMENT FOR MONITORING PHYSIOLOGICAL DATA IN HIGH PERFORMANCE AIRCRAFT A65-36047
- BRAUER, R.**
 THYROID SECRETION RATE AND FECAL ELIMINATION IN COLD ACCLIMATED RAT A65-81605
- BRAUER, R. W.**
 LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE USNRDL-TR-784 N65-11666
- BRAUNSTEIN, M. L.**
 RELATIONSHIP BETWEEN AIRCRAFT DAMAGE ESTIMATES AND INJURY TO OCCUPANTS A65-30101
- BRAZELL, I.**
 QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION A65-81535
- BRAZIER, M. A. B.**
 INFLUENCE OF VISUAL AND AUDITORY STIMULI ON ELECTROENCEPHALOGRAPH OF CAT AND MAN A65-80776
- BREBNER, D. F.**
 TIME COURSE OF DECLINE IN SWEATING PRODUCED BY IMMERSION IN WARM WATER A65-80510
- BRECKENRIDGE, J. R.**
 HEAT ABSORBING CAPABILITIES OF ENVIRONMENT, EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND SWEAT RATE A65-28378
 THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT ENVIRONMENT DESCRIBED BY THEORETICAL MODEL A65-81227
- BREDELL, G. A. G.**
 NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR MEN AT WORK IN HOT CONDITIONS A65-80274
 ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK AND HEAT STRESS A65-80678
- BREEN, J. J.**
 TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL POSITION A65-24779
- BREGER, A. KH.**
 FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION OF AIR AND FREQUENCY OF AIR EXCHANGE IN IRRADIATION CHAMBERS N65-24941
- BREITENECKER, R.**
 TECHNIQUES OF IDENTIFICATION APPLIED TO 81 EXTREMELY FRAGMENTED AIRCRAFT FATALITIES A65-81231
 IDENTIFICATION PROBLEMS OF MASS CASUALTIES IN COMMERCIAL AIRCRAFT ACCIDENT INVESTIGATION A65-81518
- BREMOND, G.**
 PHYSIOLOGICAL STUDY OF EUSTACHIAN TUBE WITH VARIOUS FUNCTION TESTS A65-82357
- BRESLAU, R. C.**
 EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS A65-81202
- BRESLAV, I. S.**
 AVOIDANCE RESPONSE TO VARIOUS HYPOXIC ATMOSPHERES AND REVERSAL BEHAVIOR IN WHITE MICE A65-82209
- BREWER, L. W.**
 PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD CONTROL - INDUSTRIAL SAFETY AND HYGIENE SC-RR-64-562 N65-16668
- BREZOWSKY, H.**
 SYMPTOMS, DISEASE, AND DEATH AS AFFECTED BY WEATHER A65-80496
- BRIAN, M.**
 ARTICULATING CENTRIFUGE MODEL FOR GENERATING G-TIME PROFILES WITH VARIABLE ONSET-DWELL-DECAY

PERSONAL AUTHOR INDEX

BROUGHTON, R. J.

- RATES
ASME PAPER 64-WA/HUF-7 A65-13854
- BRICE, R.
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963 A65-80875
CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848
- BRICK, J. M.
MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY
NASA-CR-64601 N65-33128
- BRIGGS, G. E.
TEAM-TRAINING EFFECTIVENESS AS FUNCTION OF TASK
COMPLEXITY, ORGANIZATION AND SKILL IN SIMULATED
RADAR CONTROLLED AERIAL INTERCEPT TASK A65-82173
BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE
SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT
CONTROL
AMRL-TR-64-95 N65-12132
TEAM TRAINING IN SIMULATED RADAR-CONTROL
INTERCEPTION TASK
NAVTRADEVCE-1327-1 N65-16173
- BRIGGS, M. H.
ORGANIC COMPOUND FORMATION EXPERIMENTATION TO TEST
ORIGINATION OF LIVING CELLS WITH TERRESTRIAL TYPE
BIOCHEMISTRY A65-27097
- BRINDLEY, G. S.
ELECTRORETINOGRAMS CHARACTERISTIC OF VARIOUS AREAS
OF RETINA AND USE OF TECHNIQUE AS FUNCTION TEST A65-82075
- BRINKLEY, J. M.
SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE
MEASUREMENT DURING RESTRAINT AND EXPOSURE TO
VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE
ACCELERATIONS AND FREQUENCIES A65-82368
- BRINKMAN, W. F. B.
RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE
EAR, AND INNER EAR TO BONE CONDUCTION IN CATS A65-82129
- BRINKS, W. J.
NONLINEAR DIFFERENTIAL EQUATIONS AS MODELS OF
CIRCULATORY SYSTEM
HDL-TR-1244 N65-28236
- BRIEN, A.
TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE A65-80609
- BRISCOE, F. J.
MANNED SPACEFLIGHT ANALYTICAL INSTRUMENTATION USES
DESIGN TRADEOFF OF REDUCTION IN SIZE WITH LOSS OF
VERSATILITY
AICE PREPRINT 54E A65-15227
- BRISSENDEN, R. F.
MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM
TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE
AIAA PAPER 64-393 A65-14698
- BRITVAN, YA. M.
SIGNIFICANCE OF CENTRAL NERVOUS SYSTEM IN
MECHANISM OF RESPIRATION AND BLOOD CIRCULATION
IN HYPOXIA N65-17776
HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED
TO SCHIZOPHRENIA PATIENTS N65-17842
- BROADBENT, D. E.
INCREASED STIMULATION LIMITATIONS IN SENSORY
IMPOVERISHED ENVIRONMENT, DISCUSSING OPTIMUM LEVEL
OF AROUSAL FOR WORKING EFFICIENCY A65-26728
STIMULUS SET AND RESPONSE SET - ALTERNATION OF
ATTENTION A65-80336
- CHOICE REACTIONS TO TACTUAL STIMULATION WITH
COMPATIBLE AND INCOMPATIBLE INSTRUCTIONS A65-80863
- AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS
AUDITORY AND VISUAL STIMULATION A65-80865
- BROCK, M. A.
HIBERNATION AND TEMPERATURE EFFECTS ON AGING ON
RED BLOOD CELLS IN HAMSTER A65-81498
- BRODAL, A.
MORPHOLOGY OF VESTIBULAR NUCLEI AND RELATION TO
SPINAL CORD AND CEREBELLUM IN CATS A65-81725
- BRODAM, V.
MATHEMATICAL EVALUATION OF OXYGEN CONSUMPTION
DURING PHYSICAL EXERCISE AND RECOVERY A65-81717
- BRODERSON, A. B.
ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS,
INVESTIGATING RODENTS AND SMALL PRIMATES IN
CENTRIFUGES A65-30049
- BRODY, G. L.
PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING
HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO
JUXTAGLOMERULAR CELLS OF KIDNEY A65-80559
- BROGHAMMER, H.
QUANTITATIVE MEASUREMENTS OF CIRCULATION OF CALF
MUSCULATURE IN MAN A65-82229
- BROHEE, H.
NICOTINAMIDE EFFECT ON X-RAY IRRADIATED
SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E N65-32144
- BROMBERGER-BARNEA, B.
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY
TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893
- BROMBERGER, R. A.
MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER
VARIABLE RATIO REINFORCEMENT RESPONSES
NADC-ML-6409 N65-10409
- BRONSHTEYN, A. A.
STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655
- BROSON, S. D.
FLUID FILLED LIMIT STRETCH DEVICE DESIGN FOR
PROTECTION AGAINST IMPACT ACCELERATION A65-11399
APPLICATIONS OF AEROSPACE MEDICAL RESEARCH TO
NEUROPHYSIOLOGICAL REHABILITATION N65-18532
- BROOK, A. H.
THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS
CENTER IN HYPOTHALAMUS A65-81769
- BROOKE, R. B.
COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS
A65-81222
- BROOKS, P. M.
RADIATION SAFETY INFORMATION FOR USE IN
ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE
SYSTEMS A65-80633
- BROUGHTON, R.
ELECTRODERMOGRAM DURING SLEEP RELATED TO
APPEARANCE OF RAPID EYE MOVEMENTS A65-80571
- BROUGHTON, R. J.
ELECTRODERMAL RESPONSE DURING SLEEP AND
WAKEFULNESS IN MAN A65-81496

- BROUHA, L.**
HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS
IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING
HEART RATE A65-28377

EFFECT OF ENVIRONMENT ON HEART RATE AND OXYGEN
CONSUMPTION DURING WORK-REST CYCLE A65-81363
- BROUSSOLLE**
PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY
MECHANICS A65-81035
- BROWN, A. E.**
PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART
BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF
CLINICAL CORONARY ARTERY DISEASE A65-22904
- BROWN, D.**
CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC
STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064

SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762
- BROWN, D. L.**
RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE
PERMEATION
AMRL-TDR-64-73 N65-12040
- BROWN, D. S.**
IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND
SHELF LIFE
UCD-34P80-2 N65-18999
- BROWN, D. W.**
KINETIC MODELS OF PHYSIOLOGICAL SYSTEMS
N65-16627
- BROWN, E.**
METHOD FOR MEASURING RESPIRATORY COMPLIANCE IN
NORMAL HUMAN MALE A65-80308
- BROWN, E. B., JR.**
DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN
DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER
CURVE A65-81902

CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION
INTERACTION AND INDEPENDENT EFFECTS ON
BREATHING - RESPIRATION STIMULANTS IN ARTERIAL
BLOOD
SAM-TR-64-94 N65-26242
- BROWN, F. A., JR.**
ORIENTATION OF PLANARIANS AND SNAILS TO ARTIFICIAL
MAGNETIC FIELDS APPROXIMATING MAGNETIC FIELD OF
EARTH A65-80432
- BROWN, F. D.**
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- BROWN, I. W., JR.**
CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION A65-81204
- BROWN, J. D.**
STARVATION IN NORMAL OBESE SUBJECTS PERFORMING
ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN
RELATION TO SURVIVAL A65-80729
- BROWN, J. H.**
QUANTIFICATION OF HUMAN NYSTAGMIC RESPONSE TO
ANGULAR ACCELERATION - PREDICTION FORMULAE AND
NOMOGRAPH A65-81527

REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION
DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT
A65-81536

EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION
ON HORIZONTAL NYSTAGMUS IN CAT
REPT.-620 N65-36664
- BROWN, J. L.**
VISUAL AND MOTION SIMULATION TECHNIQUES APPLIED IN
SPACE FLIGHT RESEARCH A65-29092

FLASH BLINDNESS AND EYE INJURY FROM EXPOSURE TO
ILLUMINATION AND RADIATION FROM SUN AND ATOMIC
BLASTS TOGETHER WITH PROTECTIVE MEASURES A65-82188
- BROWN, J. P.**
MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT
OBSERVATION A65-82289
- BROWN, J. R.**
VENTILATION OF IMPERMEABLE PROTECTIVE CLOTHING
TO ALLEVIATE PHYSIOLOGICAL RESPONSE TO HOT
THERMAL ENVIRONMENT
AECL-2123 N65-15634
- BROWN, K. D.**
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- BROWN, K. R.**
FOREARM VASCULAR RESISTANCE MEASURE OF
NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING
PROLONGED WEIGHTLESSNESS
NADC-ML-6511 N65-34467
- BROWN, L. B.**
PERCEPTION OF ILLUSIONS AS CONSTANCY PHENOMENON
A65-82105
- BROWN, L. R.**
ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE
AND FECES A65-21695

ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE
TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM
FOR CHLORELLA 71105 A65-22770

EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGRAPHY WITH CARBON 14 A65-31725

PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318
- BROWN, M. G.**
DESIGN OF RADIATION STERILIZATION PLANTS FOR
MEDICAL SUPPLIES AND PHARMACEUTICALS
AECL-2264 N65-28023
- BROWN, M. L.**
ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- BROWN, R. L.**
INTENSE NOISE EFFECTS ON PROCESSING OF CUTANEOUS
INFORMATION OF VARYING COMPLEXITY A65-81558

TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS
ON CUTANEOUS INFORMATION PROCESSING A65-81645
- BROWN, W. K.**
DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899
- BROWN, W. L.**
RADIATION EFFECT ON FOOD SATIATION IN RHESUS
MONKEY A65-81546

GAMMA RADIATION EFFECT ON OPERANT
WATER-REINFORCEMENT BEHAVIOR IN RAT A65-81547
- BROWNSON, R. H.**
CYTOCHEMICAL AND BIOCHEMICAL STUDIES OF
NEUROGLIAL NUCLEIC ACIDS - ACUTE CHANGES IN
CENTRAL NERVOUS SYSTEM CAUSED BY IRRADIATION
TID-21440 N65-30175

- BROZEK, J.**
INTERMITTENT ILLUMINATION EFFECTS ON PERCEPTUAL MOTOR PERFORMANCE A65-82292
- BRUCE, D. R.**
CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK AND RANDOM PRESENTATION, VARIABLE EXPOSURE TIMES, AND LISTS OF HIGH AND LOW FREQUENCY ASSOCIATES OF CATEGORY NAMES TR-3 N65-36307
- BRUCE, R. A.**
ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR FUNCTION TEST A65-80556
MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST FOR DETECTING POTENTIAL CORONARY HEART DISEASE A65-80557
HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS A65-81135
- BRUCH, C. W.**
PREVENTION OF BIOLOGICAL CONTAMINATION ON EXTRATERRESTRIAL BODIES A65-30675
- BRUENER, H.**
MENTAL AND PHYSIOLOGICAL DEPRESSION OF AIRCREW PERSONNEL ON OVERSEAS FLIGHTS DUE TO CIRCULATORY PARAMETER VARIATIONS CAUSED BY VAGOTONIA A65-26173
FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- BRUMBERG, YE. M.**
FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN IRRADIATED BIOLOGICAL CELLS N65-23457
- BRUNSON, H. W.**
MONKEY PERFORMANCE FOLLOWING INJECTION OF DECABORANE AMRL-TDR-64-74 N65-10268
- BRUSTAD, T.**
HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST CELLS FOR STUDY OF CELLULAR MODIFICATION N65-23466
- BRYAN, A. C.**
PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF POSITIVE ACCELERATION A65-82145
- BRYANOV, I. I.**
METHODS OF SELECTING PERSONNEL BY VESTIBULAR TESTS N65-13779
SENSORIMOTOR COORDINATION IN EXTENDED WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT N65-13780
- BRYANTSEVA, L. A.**
ANATOMICAL-PHYSIOLOGICAL CHARACTERISTICS OF CHILDREN BORN AND RAISED IN HIGH ALTITUDE ENVIRONMENT N65-17759
- BRYAR, G.**
INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND EDEMA IN MONKEYS SAM-TDR-64-18 N65-30745
- BRYNGDAHL, O.**
LINEAR MODEL FOR VISUAL TRANSFER CHARACTERISTICS IN MESOPIC REGION-RESPONSE/STIMULUS PEAK-TO-PEAK MEASUREMENTS OF SPATIAL SINE-WAVE PATTERNS A65-81576
- BRZEZINSKA, Z.**
VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM AND ITS CATECHOLAMINE MEDIATORS IN RATS A65-80233
- BUCCI, T. J.**
PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY EXPOSURE OF STAINED BLOOD FILMS UR-663 N65-24622
- BUCHSBAUM, M.**
INFLUENCES OF RESPIRATORY CYCLE ON SIMPLE REACTION TIME A65-81574
- BUCHSBAUM, W. H.**
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH VARIED MASKING RING SIZE A65-82286
- BUCHWALD, N. A.**
AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND ADAPTATION OF RAT IN RESPONSE TO IONIZING RADIATION A65-80055
CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP AND WAKEFULNESS AND IN AROUSAL A65-81930
- BUCKHOUT, R.**
HUMAN TRACKING PERFORMANCE IS LIMITED BY TOLERANCE FOR WHOLE BODY VIBRATION A65-10537
DERMAL LIGHT SENSITIVITY WITH RESPECT TO COLOR EXPLORED WITH 80 SUBJECTS A65-80572
- BUCKLEY, M. J.**
PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY A65-80176
- BUDD, G. M.**
PHYSICAL FITNESS, FAT CONTENT, BLOOD PRESSURE, RECTAL AND SKIN TEMPERATURE, AND TOUCH SENSATION OF MEN WORKING IN ANTARCTIC A65-81140
- BUDIMIR, M.**
PULMONARY FUNCTION IN SITTING OR HORIZONTAL POSITION DURING BED REST A65-82312
- BUDY, A. M.**
OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL BONE REACTION IN ESTROGEN TREATED MICE BY AMINO ACETONITRILE N65-18089
- BUETTNER, K. J. K.**
TRANSFER FUNCTION THROUGH HUMAN SKIN AD-611281 N65-20121
- BUGYAKI, L.**
IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS, OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY, MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND SPECTROPHOTOMETRY EUR-2402-F N65-29855
- BUHLMANN, A. A.**
DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159
- BUKOWIECKI, H.**
RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR ASTRONAUTS AND FOR AIR PURIFICATION FTD-TT-64-731/162 N65-27857
- BUKREEVA, D. P.**
ACTION COMPONENTS IN RHYTHMICAL MOTOR TASK WITH DIFFERENT LOADS AND AT VARIABLE FREQUENCY OF STRIKE MOTION IN MAN A65-82247
- BULA, B.**
CEREBRAL BLOOD FLOW DURING CHANGES IN BODY POSITION IN DOGS A65-81858
- BULGAK, V. I.**
DAILY RHYTHM OF MITOTIC ACTIVITY IN REGENERATING LIVER DURING ACUTE RADIATION SICKNESS IN RATS N65-20142
- BULLARD, R. W.**
OXYGEN CONSUMPTION, BODY TEMPERATURE, AND SHIVERING AS AFFECTED BY COLD EXPOSURE WITH AND WITHOUT VOLUNTARY HYPERVENTILATION

- A65-80083
CHANGES IN REGIONAL BLOOD FLOW AND BLOOD VOLUME DURING AROUSAL FROM HIBERNATION IN GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS
A65-81458
- EXERCISE STIMULATION IN WARM AND COLD ENVIRONMENTS, SKIN TEMPERATURE, AND RESPIRATION EFFECTS ON SWEATING RATE
AD-446902 N65-21879
- BULLER, C. S.
HYDROGENASE ENZYME PROPERTY STUDY IN ORDER TO ELUCIDATE PROCESS OF SULFATE REDUCTION IN COLEMAN ORGANISM
A65-17519
- BUNTING, J. J.
EFFECTS OF WEIGHTLESSNESS AND ACCELERATION ON VARIOUS PHYSIOLOGICAL FUNCTIONS AND USE OF ARTIFICIAL GRAVITY DURING PROLONGED FLIGHTS
A65-80299
- BURCH, G. E.
CARDIAC PERFORMANCE IN RELATION TO BLOOD VOLUME
A65-80207
- BURCH, N. R.
DATA PROCESSING OF EEG AND MULTIPLE PERIPHERAL PSYCHOPHYSIOLOGICAL MEASUREMENTS WITH SPECIAL PURPOSE ANALOG-TO-DIGITAL CONVERSION UNIT
N65-28759
- BURDICK, J. A.
CONSISTENCY AND TEST - RETEST RELIABILITY OF SPONTANEOUS AUTONOMIC NERVOUS SYSTEM ACTIVITY /ELECTRODERMAL RESPONSE/ AND EYE MOVEMENT
A65-81658
- BURES, A. R.
ELECTROCARDIOGRAMS OF PILOT WITH ARTERIOVENTRICULAR BLOCK TAKEN DURING PHYSICAL EXAMINATIONS OVER TWENTY-YEAR PERIOD
A65-81772
- BURES, J.
DECREASED BODY TEMPERATURE AND EFFECT ON CONDITIONED REFLEXES IN RATS
A65-80328
- BURESOVA, O.
DECREASED BODY TEMPERATURE AND EFFECT ON CONDITIONED REFLEXES IN RATS
A65-80328
- BURG, A.
APPARATUS FOR MEASUREMENT OF DYNAMIC VISUAL ACUITY
A65-80574
- BURGEAT, M.
COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE
A65-82308
- BURKE, D.
COMPARISON OF FREE-MOVING AND PRESSURE LEVERS IN POSITIONAL CONTROL SYSTEM DURING PURSUIT TRACKING TASK
A65-80943
- BURKHART, J.
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093
- BURKO, YE. V.
VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF AUTONOMIC NERVES AND SPINAL CORD
N65-13677
- BURLAKOVA, YE. V.
ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE OF IRRADIATED ANIMALS - ANIMAL STUDY
N65-20133
- BURLINGAME, A. L.
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION YEARS OLD
A65-23841
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- BURNAZYANA, A. I.
TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION EXPOSURE, DAMAGE, AND TREATMENT
FTD-TT-64-1058/1&2 N65-25775
- BURNER, A. M.
USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL SPECIMENS
A65-81970
- BURNETT, J. R.
CREW MANAGEMENT REQUIREMENTS FOR OPERATING PROTOTYPE OF INTEGRATED LIFE SUPPORT SYSTEM FOR LONG RANGE SPACE FLIGHT
SAE PAPER 908C A65-12817
- DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL CHEMICAL PROCESSES FOR SUSTAINING CREW DURING SPACE FLIGHT SIMULATION
ASME PAPER 65-AV-25 A65-24391
- BURRELL, M. O.
CALCULATION OF PROTON PENETRATION AND DOSE RATES FOR TISSUE, ALUMINUM, AND OTHER SHIELDING MATERIALS
N65-34630
- BURRIS, W. L.
HEAT TRANSFER MECHANISM FOR COOLING HUMAN BODY IN SPACECRAFT CABINS AND EXTRAVEHICULAR PRESSURIZED SUITS
NASA-CR-216 N65-23171
- BURROWS, A. A.
LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS AT LOW LEVELS OF ILLUMINATION - SUPERIORITY OF WHITE LIGHT OVER RED LIGHT DISPLAY IN DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344 N65-25675
- BURROWS, B.
RESPIRATORY PHYSIOLOGY - ALVEOLAR GAS EXCHANGE
A65-80185
- BURTON, D. R.
WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE CLOTHING
RAE-TN-MECH-ENG-400 N65-29605
- BURTON, G. G.
EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE
A65-82166
- BURTON, R. R.
LONG TERM CENTRIFUGAL ACCELERATION INDUCED SICKNESS IN LEGHORN CHICKEN, NOTING REVERSIBILITY
A65-16561
- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS ON SKIN, DIGESTIVE, CIRCULATORY, AND REPRODUCTIVE SYSTEMS OF CHICKEN
A65-80383
- BUSER, P.
ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338
- ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- AUTONOMIC REACTIONS OBSERVED IN CATS DURING VERONIQUE ROCKET FLIGHT
A65-80916
- BUSNENGO, E.
EKG INVESTIGATION OF RIGHT INTRAVENTRICULAR CONDUCTION IN FLIGHT CADETS IN ACUTE ANOXIC ANOXIA
A65-20986
- HEMODYNAMIC RESPONSE IN DOGS TO CHRONIC DISCONTINUOUS HYPOXIA
A65-81844

C

- BUSSE, E. W.**
PRESENESCENT ELECTROENCEPHALOGRAPHIC CHANGES
IN NORMAL SUBJECTS A65-81860
- BUSTAD, L. K.**
GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES
POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE
STUDIED IN MINIATURE SWINE A65-16556
- BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND
MEDICAL RESEARCH
BNWL-115 N65-34703
- BUSYGIN, V. E.**
BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- BUTCHER, B. A.**
NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN
SERUM, PAROTID FLUID, AND URINE DURING
WEIGHTLESSNESS A65-82359
- BUTLER, B. R.**
AUTOMATIC FEEDBACK CONTROL MECHANISM IN HUMAN
SPEECH SYSTEM MODEL MADE TO STUTTER, CONSIDERING
EAR AS CAUSE OF INSTABILITY A65-10738
- HUMAN SPEECH MODEL FOR FEEDBACK CONTROL SYSTEM
N65-16618
- BUTLER, J.**
VISUAL DISCRIMINATION OF SHAPE BY HUMANS - MATRIX
FIGURES AND MINIMAL AREA CHANGES A65-81410
- BUTLER, P. J.**
ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15 N65-17618
- BUYANOV, P. V.**
RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST
N65-13647
- FUNCTIONAL EVALUATION OF BLOOD CIRCULATION AND
USE IN SELECTING AND TRAINING FLYING PERSONNEL
N65-13652
- BUZNIK, I. M.**
PSYCHOPHYSIOLOGY OF OBESITY IN FLIGHT PERSONNEL
N65-13651
- BYARS, E. F.**
STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440 N65-22653
- BYCHKOVSKAYA, I. B.**
RADIOPROTECTIVE EFFICIENCY OF MEXAMINE
A65-81243
- IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT
ON RADIATION AT VARIOUS RADIATION DOSE RATES
N65-26384
- BYFORD, G. H.**
EYE MOVEMENT RECORDER FOR STUDYING VISUAL
ILLUSIONS OF ROTATION A65-10545
- BYKOVSKIY, V. F.**
DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT A65-80719
- DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY
DIFFERENT FLIGHT LENGTHS ON VOSTOK V
NASA-TT-F-9627 N65-15163
- BYRNE, J. J.**
PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313

- CABADY, M.**
EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT A65-80934
- CABEZAS, P. G.**
ENDOSCOPIC TRAUMA OF EAR WITH REFERENCE TO
MECHANISM, CLINICAL SYMPTOMS AND TREATMENT
A65-21241
- SCREENING AND SELECTION OF SPANISH PILOTS
A65-81778
- HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS
TO PERSONNEL MANAGEMENT A65-81783
- BARANY CHAIR TEST OF LABYRINTH FUNCTION AS
CRITERION FOR PILOT SELECTION A65-81808
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY
PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN
LINE OF DUTY A65-81809
- CADOT, M.**
EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT A65-80934
- CADOUR, E.**
AVIATION PSYCHOLOGY IN FRENCH AIR FORCE
A65-81368
- CADY, L. D.**
PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES
A65-80221
- CAEN, J.**
RADIATION EFFECTS ON FUNCTIONS AND ENZYMATIC
POTENTIAL OF PLATELETS
EUR-2438.F N65-35006
- CAFARO, C.**
ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
TRANSFER IN SPACE SUIT
NASA-CR-63144 N65-25269
- CAHILL, C. L.**
METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE
NASA-CR-60338 N65-15372
- CAHILL, J. M.**
PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313
- CAILLE**
PSYCHOLOGICAL AND NEUROPHYSIOLOGICAL ASPECTS OF
VIGILANCE STUDIES- A REVIEW A65-81036
- CAILLER, B.**
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848
- CAIN, S. M.**
ANEMIC AND HYPOXIC HYPOXIA EFFECT ON METABOLISM
AND ON EXCESS LACTATE IN DOG A65-81747
- INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT
HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
A65-81901
- ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED
ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
AD-451065 N65-11421
- CALATRAVA, L.**
AERODONTALGIA - ETIOPATHOGENIC INTERPRETATION
A65-81827
- CALDERON, R.**
CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
CHRONIC HYPOXIC STATE A65-80995

- CALDWELL, J. C.**
INVESTIGATION OF POSSIBILITY OF RADAR INDUCED CATARACT A65-81073
- CALDWELL, L. S.**
RESPONSE STRENGTH AND DURATION OF SUBMAXIMAL HOLDING ENDURANCE FOR MEASUREMENTS AT 20 BODY POSITIONS A65-30102
ACCURACY OF ACTIVE AND POSITIVE POSITIONING OF LEG ON BASIS OF KINESTHETIC CUES A65-81992
- CALDWELL, P. R. B.**
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18 ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT MASS SPECTROMETER AMRL-TR-64-84 N65-12974
- CALHOUN, R. L.**
AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED AND TIME-TO-GO INFORMATION EFFECT T5-134/3111 N65-22870
LABORATORY SIMULATION EXPERIMENT TO DETERMINE EFFECT OF TARGET TYPE AND GROUND SPEED ON AIR-TO-GROUND TARGET RECOGNITION T5-990/3111 N65-29239
- CALISSANO, P.**
METHOD FOR DETERMINATION OF BLOOD DEHYDRASE ACTIVITY IN LEAD POISONING A65-81621
- CALLAWAY, E., III**
VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA CYCLE AND CARDIAC AROUSAL CYCLE A65-80644
INFLUENCES OF RESPIRATORY CYCLE ON SIMPLE REACTION TIME A65-81574
- CALVERLEY, J. R.**
DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION, HYPERVENTILATION, AND PHOTIC STIMULATION A65-82032
- CALVIN, M.**
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION YEARS OLD A65-23841
POSSIBLE ROLE OF DICYANDIAMIDE /CYANOANOANIDINE/ IN PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION A65-80763
EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLICAL ORIGIN OF HYDROCARBONS FROM METEORITES A65-81233
- CALVY, G. L.**
PHYSICAL EXERCISE AND FAT INTAKE IN RELATION TO SERUM LIPIDS AND ENZYMES A65-80221
- CAMERON, A. G. W.**
ORIGIN AND EVOLUTION OF PLANETARY ATMOSPHERES AND OCEANS A65-80889
PROCESSES OF ORIGIN OF PLANETARY ATMOSPHERES A65-81928
- CAMIN, L. L.**
SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131 AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES REPT.-143 N65-23307
- CAMMOCK, E. E.**
STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN MACACA NEMESTRINA A65-80307
- CAMP, D. S.**
REACTION TIME DECREASE WITH KNOWLEDGE OF RESULTS A65-81106
- CAMPBELL, F. W.**
ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM DETERMINED BY MEASURING FLICKER THRESHOLD, BRIGHTNESS, AND PUPILLOMOTOR EFFECT OF MODULATED LIGHT A65-80770
EFFECT OF FOCUS ON VISUAL RESPONSE TO SINUSOIDALLY MODULATED SPATIAL STIMULUS AND RELATION TO NIGHT MYOPIA A65-82201
- CAMPBELL, M.**
CASE HISTORY OF AEROEMBOLISM TREATED BY HYPOTHERMIA A65-81523
- CAMPBELL, P. A.**
BIGASTRONAUTICS AND AEROSPACE MEDICINE RESEARCH APPLICATIONS IN MANNED SPACE PROGRAMS AND IN EARTH ENVIRONMENT A65-14524
PHYSICAL BARRIERS AND LIMITATIONS IN SPACE EXPLORATION A65-81834
- CAMPBELL, R. A.**
VISUAL FEEDBACK EFFECT ON NOISE-SIGNAL DETECTION IN AUDITORY DISCRIMINATION TASK A65-80881
- CAMPBELL, W. F.**
BARLEY SEED, HORDEUM DISTICHUM, GROWTH RATE AS AFFECTED BY MAGNETIC FIELDS A65-80423
- CANCIO, D.**
ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC PLANTS REPT.-138 N65-21186
- CANDURA, F.**
FIBRINOLYSIS IN CARBON MONOXIDE POISONING IN ANIMALS A65-80288
- CANESTRARI, R.**
MODIFICATION IN VISUAL AND KINESTHETIC AFTEREFFECT DURING SENSORY DEPRIVATION A65-80084
CAPACITY OF RECOGNIZING MASKED FIGURES AFTER SENSORY-MOTOR DEPRIVATION A65-82193
- CANIGGIA, A.**
INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND ELDERLY SUBJECTS A65-81548
- CANNON, R. H., JR.**
SPACE VEHICLE MANUAL THREE-AXIS ATTITUDE CONTROL USING VECTOR RETICLE OR CONTROL ACTION DISPLAY A65-20953
- CANNONITO, F. B.**
CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE FR-65-11-44 N65-32223
- CANON, L. K.**
ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH VARIED EFFERENT INPUT A65-82215
- CANZONERI, J.**
NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND AUSCULTATORY METHODS A65-10726
ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR N65-16606
- CAPALBO, E. E.**
FATE OF SPLEEN CELLS LABELLED WITH TRITIUM - SENSITIVITY IN VIVO CULTURES DURING SECONDARY RESPONSE OF ANTIBODY N65-36617
- CAPELLARO, F.**
BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE A65-80291
CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS OF RESUSCITATION IN DOGS A65-80293

- CAPORALE, R.**
CORIOLIS EFFECT ON HUMAN SUBJECTS ACCELERATED IN
MODIFIED TOENNIES SEAT A65-12884
RIGHTING REFLEX IN BLINDFOLDED AND UNBLINDFOLDED
RABBITS SUBJECTED TO SHORT PERIODS OF SUBGRAVITY A65-30137
SURGERY IN CASES OF OTOSCLEROTIC DEAFNESS IN
FLYING PERSONNEL A65-80217
SONIC BOOM - STRUCTURAL STABILITY AND
PHYSIOLOGICAL HAZARDS AND PROTECTIVE MEASURES A65-81997
- CAPPS, M. J.**
MENTAL TASK EFFECT ON AUDITORY FATIGUE, EXPOSING
SUBJECTS TO FATIGUE TONE UNDER CONDITIONS OF
MENTAL ARITHMETIC AND REVERIE A65-17837
MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD
DETERMINATION AND REVERIE EFFECTS ON TEMPORARY
THRESHOLD SHIFT ON AUDITORY FATIGUE A65-25856
BILATERAL CALORIC HABITUATION ON NYSTAGMUS
RESPONSES ON CAT AM-64-14 N65-15346
EFFECT OF MENTAL TASKS ON AUDITORY FATIGUE
AM-65-1 N65-18546
- CARA, M.**
INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY
HUMAN A65-80106
- CARCELEN, A.**
RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH
ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN
SICKNESS A65-80298
- CARDON, S. Z.**
REGULATION AND CONTROL IN BIOLOGICAL SYSTEMS
MODELING BODY BY DYNAMIC NETWORKS A65-15863
MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE
CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN
FLOW TO SKELETAL MUSCLES A65-34988
INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE -
AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL,
CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS,
AND BEHAVIORAL ORGANIZATION NASA-CR-219 N65-23813
- CARDUS, D.**
BEDREST AND ISOMETRIC EXERCISES EFFECT ON
CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-
HYDROXYCORTICOSTEROIDS A65-26168
PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE A65-81294
LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST NASA-CR-171 N65-17876
PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN NASA-CR-172 N65-18500
COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING NASA-CR-174 N65-18501
VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502
BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST NASA-CR-173 N65-20471
CARDIAC AND VENTILATORY RESPONSE TO BICYCLE
ERGOMETER TEST
- NASA-CR-177** N65-20472
EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473
BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE NASA-CR-182 N65-20474
EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159
BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL
INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND
EXERCISE ON CARDIOVASCULAR RESPONSES N65-28763
PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820
EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT NASA-CR-175 N65-33542
- CAREL, W. L.**
ANALYSIS OF PICTORIAL DISPLAY SYSTEMS
KEPT.-2732.01/23 N65-19322
- CARHART, R.**
PROBLEMS USING TEST METHODS FOR MEASURING SPEECH
DISCRIMINATION A65-82059
- CARLSMITH, J. M.**
REWARD MOTIVATION IN HUMAN BEHAVIOR -
PSYCHOLOGICAL TESTING TR-1 N65-31969
- CARLSON, L. D.**
DIGITAL BLOOD FLOW DURING COLD WATER IMMERSION OF
HAND A65-80302
PHYSIOLOGIC RESPONSES OF MAN EXPOSED TO COLD
INVOLVING NERVOUS, CIRCULATORY, AND ENDOCRINE
SYSTEMS A65-80491
RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO
INFUSED NOREPINEPHRINE AND BODY COOLING A65-81299
RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED
NORADRENALINE AND ACUTE BODY COOLING -
CALORIGENIC EFFECTS OF NORADRENALIN
AAL-TR-64-21 N65-24080
- CARNECKI, G.**
STERIOD ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56 N65-22075
INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18 N65-30745
- CARPENTER, S.**
FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE A65-81099
- CARR, R. E.**
CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF
MONKEY RETINA A65-81494
- CARRETERO, O.**
HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING
EXERCISE A65-81084
- CARROLL, J. J.**
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE

- CARTASEGNA, C.
METHOD FOR DETERMINATION OF BLOOD DEHYDRASE
ACTIVITY IN LEAD POISONING A65-81249
- CARTER, J. E. L.
STEP-TEST FOR INDUCING MAXIMAL WORK FOR
DETERMINING OXYGEN CONSUMPTION A65-81552
MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING
PHYSICAL EXERCISE A65-82053
- CARTER, M. L.
JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND
WHITE NOISE AS AFFECTED BY REPETITION RATE A65-82295
- CARTERETTE, E. C.
MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON
SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED
CHOICE TASK A65-14150
LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR
OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521
DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV
CHAINS OF SIGNALS
NASA-CR-57928 N65-21340
- CARTERETTE, T.
PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS
ESD-TDR-65-299 N65-34557
- CARTON, R. W.
BREATHING MECHANICS - COMPLIANCE AND RESISTANCE
IN NORMAL LUNG AND THORAX A65-80184
- CARUSO, F. S.
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID A65-82177
- CARVELLAS, T.
SCANNING RATE FOR MULTIPLE TARGETS A65-82339
- CARVETH, S. W.
PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING
INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323
- CASARETT, G. W.
HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666 N65-29243
- CASEY, A.
EFFECT OF RADIATION ON AUDITION AND CONDITIONED
RESPONSES IN SPANISH GOAT A65-81570
- CASEY, H.
OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG
FOLLOWING CALORIC STIMULATION OF LABYRINTH
A65-81313
- CASH, G.
CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE
FR-65-11-44 N65-32223
- CASSEDAY, J. H.
GRADED CONTRAST EFFECTS IN JUDGMENT OF LIFTED
WEIGHTS A65-81986
- CASSIE, A.
FLIGHT ACCIDENT PREDICTION - REPORT ON TWO STUDIES
ON PILOT LIABILITY TO FLIGHT ACCIDENTS AND
POSSIBLE PILOT SELECTION A65-81327
ASSESSMENT OF FLYING SKILL BY FLIGHT TEST
A65-81367
- CASSUTO, Y.
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMATIC ACTIVITY OF BROWN
- FAT OF HAMSTERS A65-80096
- CASTELLI, A.
EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST
CELLS AND METACHROMASIA OF RAT SKIN A65-81597
- CASTELLUCCI, A.
CHANGES IN GASTRIC HISTIDINE DECARBOXYLASE
ACTIVITY DURING FASTING AND FEEDING IN RATS
A65-81217
- CASTILLO, L. S.
ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT
/STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT
/ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING
HIGH ALTITUDE ACCLIMATIZATION A65-80225
- CATLETT, G. F.
GLUCOSE TOLERANCE AFTER CARBOHYDRATE LOADING
COMPARED TO RANDOM URINALYSIS TO SCREEN LATENT
DIABETES IN PILOT SELECTION A65-26174
RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION
IN COMMERCIAL PILOT SELECTION A65-81297
- CATONE, N. D.
EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- CAUVIN, G.
OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF
MECHANICS WORKING ON JET AIRCRAFT BASES
A65-80125
- CAVAGNA, G. A.
HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING
SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF
MECHANICS A65-14224
HUMAN LOCOMOTION AND ENERGY REQUIREMENTS UNDER
SUBGRAVITY CONDITIONS - ANALYSIS BASED ON PHYSICAL
CHARACTERISTICS A65-80131
- CAVILLE, A.
EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- CAVALLERI, A.
TETRAETHYL LEAD TOXIC EFFECTS ON WATER BALANCE
A65-81745
ADRENAL CORTEX FUNCTION IN SUBJECTS WITH BENZENE
POISONING A65-82195
- CAVE, R. T.
APOLLO SPACECREW TRAINING GAINING FROM ACTUAL AND
SIMULATED SPACE FLIGHT EXPERIENCE THROUGH PROJECTS
MERCURY AND GEMINI
AIAA PAPER 65-274 A65-22105
- CAVONIUS, C. R.
EVOKED RESPONSES OF VISUAL CORTEX- SPECTRAL
SENSITIVITY OF HUMANS A65-81184
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94 N65-10648
- CEASU, V.
PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL
STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-
ENCEPHALOGRAPHIC TESTS A65-10870
- CEDRANGOLO, F.
ORIGIN OF LIFE AS PROBLEM OF FORMATION OF
MACROMOLECULES A65-80297
- CELENTANO, J. T.
MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF
AIRCRAFT AND SPACECRAFT SYSTEMS
A65-14364
MANNED ORBITAL AND LUNAR BASE HABITABILITY
REQUIREMENTS INCLUDING ATMOSPHERE, NUTRITION,

- HYGIENE, GRAVITATION AND WORK-REST CYCLE
A65-23642
- RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-23007
- CENACCHI, V.
EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF
RABBITS TO ROTATION-ACCELERATORY STIMULI
A65-82194
- CERRETELLI, P.
KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- CERVANTES, J.
PHYSICAL PERFORMANCE IN VARIOUS ATHLETIC
EVENTS AS AFFECTED BY ALTITUDE /7000 FT./
A65-80238
- CESA-BIANCHI, M. G.
TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS
A65-81380
- CESARI, L.
INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND
ELDERLY SUBJECTS A65-81548
- CHADDOCK, J. B.
CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE A65-81872
- CHAFFEE, R. R. J.
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN
FAT OF HAMSTERS A65-80096
- CHAILLEY, R. F.
HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE
AND TECHNIQUES FOR ATTENUATION AT PERSONNEL
POSITIONS
TN-4-64 N65-14344
- CHAIMOVITZ, M.
NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC
STIMULATION OF RABBIT EYE A65-81086
- CHALAZONITIS, N.
MODAL DIFFERENTIATIONS OF ELECTRICAL ACTIVITIES BY
VARIATION OF PARTIAL OXYGEN PRESSURE OF NEURONS
A65-31019
- CHALISOV, I. A.
MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL
BLOOD VESSELS UPON EXPOSURE TO IONIZING
RADIATION N65-26394
- CHAMBERS, R. M.
SIMULATION OF ACCELERATION STRESS ENCOUNTERED IN
MANNED SPACECRAFT DURING LAUNCH, RECOVERY AND
ABORT MANEUVERS A65-10723
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF HIGH
GRAVITY ON MAN A65-29102
- BIOENGINEERING - SPACECRAFT ACCELERATION
SIMULATION BY HUMAN CENTRIFUGE N65-16603
- HIGH GRAVITY EFFECTS ON PHYSIOLOGICAL AND
PSYCHOLOGICAL PERFORMANCE CAPABILITIES OF MAN
N65-33630
- CHANCE, B.
INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT
BRAIN A65-80360
- CHANDLER, H. W.
OXYGEN REGENERATION FROM SOLID ELECTROLYTIC
REDUCTION OF CARBON DIOXIDE FOR SPACE CABIN
ATMOSPHERE
AICE PREPRINT 47D A65-15346
- CHANDRASEKARAN, V. R.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
A65-81899
- AEET-AM-40 N65-30902
- CHANEY, R. E.
SUBJECTIVE REACTION OF HUMAN MALES TO VIBRATION
C3-6474 N65-14350
- VIBRATIONAL TESTING OF HUMANS FOR WHOLE BODY
VIBRATION EFFECT ON VISUAL-MOTOR PERFORMANCE
C3-3512-5 N65-18852
- VIBRATION TESTING OF HUMANS FOR WHOLE BODY
VERTICAL VIBRATION EFFECT ON TRACKING
PERFORMANCE
C3-3512-6 N65-18853
- CHANG, C.-L.
EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE N65-32652
- CHANG, H.-I.
ELECTRICAL RESPONSE MEASUREMENT ON INHIBITORY
ACTION OF CALYX-LIKE SYNAPSES OF NEURON IN
TRAPEZOID NUCLEUS OF RABBIT MEDULLA
N65-23373
- CHANG, I.-S.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374
- CHANG, T.-I.
STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588
- CHANUTIN, A.
BIOCHEMISTRY OF ERYTHROCYTES
AD-617518 N65-35942
- CHAPAK, A. V.
EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS
N65-13691
- EFFICACY OF PHARMACOLOGICAL PREPARATION IN
COMBATING MOTION SICKNESS OF AIR TRANSPORT
PASSENGERS N65-13771
- INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER
PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY
AND DURING PERFORMANCE N65-13772
- CHAPMAN, D. D.
EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS
SAM-TDR-64-41 N65-10014
- CHAPMAN, J.
IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI
RELATED TO AGE A65-80864
- CHAPPLE, W. D.
OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRIO
AFOSR-65-0042 N65-27933
- CHARAMIAN, T. R.
RELIABILITY OF LIFE SUPPORT SYSTEMS USING GENERIC
FAILURE RATES FOR COMPONENTS
SAE PAPER 912G A65-12905
- CHARLES, D. C.
AGE AND STIMULUS SIZE EFFECTS ON PERCEPTION IN MAN
A65-80014
- CHARLIER, A. A.
STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER
A65-81899

CHARNWOOD, L.
MORPHOLOGICAL BASIS AND PHYSIOLOGY OF BINOCULAR
VISION A65-81421

CHASE, R. A.
VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK A65-82081

INFORMATION FLOW MODEL OF ORGANIZATION OF MOTOR
ACTIVITY A65-82196

CHASE, W. P.
CREW PERFORMANCE INTEGRATION INTO OPTIMUM-
RELIABILITY DESIGN OF MANNED SPACE STATION
A65-22704

CHATELIER, G.
ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING
PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338

SOMESTHETIC POTENTIAL MEASUREMENT OF RATS AND CATS
ONBOARD ROCKETS EMPHASIZING SENSOR EMPLACEMENT,
ANIMAL TRAINING AND RADIO TRANSMISSION A65-26600

ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875

AUTONOMIC REACTIONS OBSERVED IN CATS DURING
VERONIQUE ROCKET FLIGHT A65-80916

CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848

CHATTON, M. J.
MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS
A65-80371

CHAZOV, YE. I.
STATUS OF ANTICOAGULATING MECHANISMS UNDER
CONDITIONS OF PROLONGED BED REST N65-13770

CHEATHAM, D. C.
MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING
VEHICLE DURING ORBIT, RETROCKET FIRING, AND
REENTRY INTO EARTH ATMOSPHERE NASA-TM-X-359 N65-12802

CHECHULIN, A. S.
SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762

CHEKHONADSKIY, N. A.
STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHO I
SPACECRAFT A65-81962

INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA
PROCESSING IN SPACE BIOLOGY
NASA-TT-F-9514 N65-29740

CHELNOKOVA, N. A.
PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN
TASTE SENSATION AND RELATION TO HIGH ALTITUDE
FLYING A65-80396

EFFECT OF PARACHUTE JUMPING ON METABOLISM
OF PROTEINS AND VITAMINS N65-13762

CHEN, C.-C.
DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS N65-23364

CHEN, J. Y. P.
PHYSIOLOGICAL AND BIOCHEMICAL EFFECTS OF COLD
STRESS FOR INTERPRETATION OF DIFFERENCES IN
ACTION OF THERAPEUTIC DRUGS AT VARIOUS
ENVIRONMENTAL OR BODY TEMPERATURES
AAL-TDR-64-20 N65-25254

CHENG, C.-Y.
MUTUALLY INHIBITORY TRANSIENT RETINAL
REACTIONS - PHYSIOLOGY N65-29348

CHENYKAYEVA, YE. YU.
OXIDASE METABOLISM ENZYMES IN CEREBRAL CORTEX AND
SPINAL CORD IN HYPOXIA ACCLIMATED RATS N65-17813

CHERCHI, A.
ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING
MUSCULAR WORK IN NORMAL MEN A65-81400

CHEREPAKHIN, M. A.
HUMAN RESPONSE TO ACCELERATION STRESS AND
WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT
A65-81192

EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737

SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT
N65-13780

HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND
WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS
N65-24862

CHERKASSKIY, L. P.
INFLUENCE OF HYPOXIA FROM DECREASE IN ATMOSPHERIC
PRESSURE ON ANIMAL CARDIORESPIRATORY SYSTEM
AFTER LUNG SURGERY N65-17783

CHERKOVICH, G. M.
ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN
MONKEYS OF DIFFERENT AGES IN RESPONSE TO
RHYTHMICAL LIGHT FLASHES A65-81354

CHERNAYEV, ST.
CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN
ALTITUDES N65-17820

CHERNIACK, R. M.
METHOD FOR MEASURING RESPIRATORY COMPLIANCE IN
NORMAL HUMAN MALE A65-80308

CHERNIAKOV, I. N.
PCLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN
TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING
CONDITIONS A65-80090

DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED
RESPIRATION IN INTACT ANIMALS A65-80765

CHERNIGOVSKII, V. N.
HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP
ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239

CHERNIGOVSKIY, V. N.
PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS,
MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING
SUBORBITAL AND ORBITAL FLIGHT
NASA-TT-F-305 N65-17465

SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN
SPACE PHYSIOLOGY
NASA-TT-F-9426 N65-27712

CHERNOV, G. A.
SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097

CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT
A65-80439

CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS A65-80979

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT A65-81325

BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157 N65-14606

PERSONAL AUTHOR INDEX

CHOU, Y.-C.

- REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404
- BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION, AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
N65-27136
- CHERNYAKOV, I. N.
HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW PRESSURE CHAMBER
N65-13687
- OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS
N65-13705
- ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO ALTITUDE FACTORS
N65-13751
- POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING ORGANISM
N65-17768
- OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA
N65-17769
- OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE
FTD-TT-64-634/162&4
N65-19139
- CHESALOV, A. V.
HIGH SPEED AND HIGH ALTITUDE AIRCRAFT ESCAPE BY EJECTION SEAT - AERODYNAMIC FORCE AND RAREFACTION EFFECTS
FTD-TT-65-260/162
N65-22447
- CHESLER, L.
MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN AUTOMATIC CHECKOUT OF SPACE VEHICLES
NASA-CR-67371
N65-35577
- CHETVERIKOV, D. A.
MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE RADIATION INJURY IN RAT
A65-80100
- UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID SYNTHESIS IN BRAIN AND LIVER OF RATS DURING HYPOXIA AND POST-HYPOXIC STATE
A65-80721
- RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION SICKNESS
N65-17810
- CHEVILLARD, L.
EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE, ARTERIAL PRESSURE, AND HEART RATE IN COLD ACCLIMATED RAT
A65-80934
- CHEW, R. M.
BIOLOGICAL RHYTHMS IN POCKET MICE
NASA-CR-50597
N65-16436
- CHIANG, S. T.
PULMONARY COMPLIANCE AND NONELASTIC RESISTANCE OF HUMAN SUBJECT DURING TREADMILL EXERCISE
A65-82151
- CHICKIN, V. A.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION
N65-13737
- CHICHVARINA, N. A.
ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS
JPRS-30214
N65-24351
- CHILDERS, H. M.
IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR RADIATION EXPOSURE CONTROL COUNTERMEASURES RELATIVE TO VARIOUS POST-ATTACK CONDITIONS
GTC-54-63-64
N65-33623
- CHILES, W. D.
VIBRATION EFFECT ON HUMAN PERFORMANCE
AMRL-TR-64-83
N65-13996
- CHILSON, O. P.
HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND IN LIVE ORGANISMS
A65-32614
- CHIPEN, G.
ELECTROCHEMICAL ACTIVITY OF HUMAN BRAIN AT CELLULAR LEVEL - MEMORY
JPRS-30676
N65-25872
- CHIRKIN, M. D.
SIGNIFICANCE OF PARASYMPATHETIC NERVOUS SYSTEM TONE FOR INCREASING RESISTANCE TO FLIGHT CONDITIONS
N65-13774
- CHISTOVICH, L. A.
HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS, SPEECH FORMING MECHANISM, PERCEPTION, AND ARTICULATION FOR HUMAN COMMUNICATION WITH ELECTRONIC COMPUTERS
JPRS-30543
N65-25514
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY
NASA-TT-F-9426
N65-27712
- CHISUM, G. T.
BLACK BODY AND THERMAL RADIATION FROM NUCLEAR WEAPONS IN RELATION TO FLASH BLINDNESS
A65-26169
- PILOTS ABILITY TO OPERATE A4D ELF FLASH BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS OF SAFETY
A65-26170
- A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-SAFE OPERATION TIME AS AFFECTED BY SIZE OF SUBJECTS PERFORMING TRACKING PROBLEM UNDER ACCELERATION STRESS
A65-81373
- FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR EXPLOSION
NADC-ML-6412
N65-15710
- EFFECTIVENESS OF SIMPLE EYE PATCH FOR EYE PROTECTION AGAINST FLASH BLINDNESS AND DESIRABILITY OF USING LARGE NUMBERS OF OBSERVERS IN FLASH BLINDNESS RESEARCH
NADC-ML-6326
N65-27862
- CHIZHEVSKIY, A. L.
MICROORGANISMS AS INDICATORS OF SOLAR ACTIVITY AND PRECURSORS OF SOLAR FLARES
N65-13773
- CHKHAIDZE, L. V.
HUMAN NERVOUS SYSTEM AS CONTROL SYSTEM FOR VOLUNTARY MUSCLES
FTD-MT-63-265
N65-11585
- HUMAN PERFORMANCE IN SIMULATED SPACE FLIGHT ENVIRONMENT
NASA-TT-F-355
N65-30730
- CHKHARTISHVILI, SH. N.
LOCALIZATION OF OPTICAL ILLUSION OF SET IN BRAIN
A65-80044
- CHOO, Y. B.
FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH RADIOACTIVE POTASSIUM 42
A65-81543
- POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- CHOROVER, S. L.
COMPARISON OF SPATIAL DISCRIMINATION IN TEMPORAL AND NASAL SECTORS OF MONOCULAR VISUAL FIELD
A65-81646
- CHOU, L.-L.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL STUDIES ON MICE, AND RELATIONSHIP BETWEEN ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS - X-RAY EXPOSURE
N65-23374
- CHOU, Y.-C.
ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL

- CHRENKO, F. A.
THRESHOLD INTENSITIES OF THERMAL RADIATION
EVOKING WARMTH SENSATIONS ON FOREHEAD OF MALE
AND FEMALE SUBJECTS A65-80029 N65-32587 A65-80546
- CHRIST, R. E.
SHORT-TERM MEMORY UNDER WORK-LOAD STRESS A65-81979
- CHRISTENSEN, E. H.
AEROBIC WORK CAPACITY DURING EXERCISE A65-80358
- CHRISTENSEN, J. M.
EMERGING ROLE OF ENGINEERING PSYCHOLOGY IN SYSTEMS
PLANNING AND DEVELOPMENT - HUMAN PERFORMANCE
AMRL-TR-64-88 N65-12996
- CHRISTENSEN, M. L.
CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT
STRESS A65-80677
CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
A65-81910
- CHRISTENSEN, P. R.
METHODOLOGY FOR USE WITH OPERATIONS SIMULATION FOR
CRITICAL TASK-PERFORMANCE VARIABLES
SP-1761/000/00 N65-15317
- CHRISTENSEN, R. C.
CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND
HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE
A65-82164
- CHU, E. W.
EFFECT OF ENVIRONMENTAL ILLUMINATION ON ESTROUS
CYCLES OF RODENTS A65-81867
- CHUBB, G. P.
PERFORMANCE TIMES ON SIMPLE REMOTE HANDLING TASK
UNDER DIRECT BINOCULAR AND MONOCULAR VIEWING
CONDITIONS
AMRL-TDR-64-68 N65-13993
HUMAN HANDLING, ASSEMBLY, AND MAINTENANCE OF
ORBITING SPACE STATIONS IN EXTRATERRESTRIAL
ENVIRONMENT - PROPOSED PROGRAM AND EVALUATION
AMRL-TR-64-98 N65-23082
- CHUBB, R. M.
POSTURE, TOWER TRAINING, AND AGE OF FLYING
PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF
SPINE DURING EJECTION A65-82125
- CHUCKIN, V. G.
AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON
DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS
A65-80942
- CHUKHROVA, A. I.
INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE A65-30077
- CHUMAKOVA, R. I.
GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA N65-25030
- CHURCH, F. W.
NEW PORTABLE ELECTRIC DEVICE FOR REGISTERING TOTAL
TIME OF INDIVIDUAL EXPOSURE TO SELECTED LEVEL OF
NOISE A65-80994
- CHURCH, R. M.
REACTION TIME DECREASE WITH KNOWLEDGE OF RESULTS
A65-81106
- CHURCHILL, A. V.
QUANTITATIVE TACTUAL-KINESTHETIC JUDGMENT WITH
LEFT AND RIGHT HAND A65-81685
- CHUSOV, I. U. N.
SKIN THERMOREGULATION DURING COLD EXPOSURE IN
HUMAN ORGANISMS PREVIOUSLY ADAPTED TO COLD
- CIANETTI, E.
IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN A65-30138
GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479
- CIER, J. F.
URINARY EXCRETION OF EPINEPHRINE AND
NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE
A65-80113
- CIGANEK, L.
EXCITABILITY CYCLE OF HUMAN VISUAL CORTEX
A65-80640
- CIMA, R. M.
WETTING AND NONWETTING SURFACES TO CONTROL WATER
AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G
ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE
COLLECTION, DISTILLATION AND MANAGEMENT OF WATER
AND OXYGEN SUPPLIES A65-28630
- CINCA, N.
HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305
- CINKOTAI, F. F.
PULMONARY DIFFUSING CAPACITY IN MAN DURING
IMMERSION IN WATER A65-81900
- CIOCATTO, E.
ORGANIZATION OF AN ARTIFICIAL RESPIRATION CENTER-
THERAPY OF ACUTE CARBON MONOXIDE POISONING
A65-80281
- CIRINCIONE, P. A.
ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS
ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL
FIELD SIZE A65-80570
TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION
ACCURACY IN ENVIRONMENT DEVOID OF DETAIL
NAVTRADEVEN-IH-13 N65-10260
BIOLOGICAL EFFECTS OF LASER RADIATION AND SAFETY
RULES FOR PERSONNEL PROTECTION
NAVTRADEVEN-IH-15 N65-14941
VERTICAL ORIENTATION OF TARGET
NAVTRADEVEN-IH-19 N65-16753
- CIRKOVIC, T.
BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456
- CLAFLIN, J. L.
RADAR TARGET DETECTION AS FUNCTION OF SEARCH AREA
AND VIEWING DISTANCE A65-81885
RADAR TARGET DETECTION BY TRAINED AND UNTRAINED
OPERATORS
AD-455767 N65-16422
- CLAMANN, H. G.
SPACECRAFT CABIN CONSIDERING PRESSURE, TYPES OF
ATMOSPHERE AND FIRE HAZARDS FROM FLAMMABLE
MATERIAL A65-14806
- CLANCY, R. L.
DIFFERENCE BETWEEN IN VIVO BLOOD BUFFER CURVE IN
DOGS BREATHING PURE OXYGEN AND IN VITRO BUFFER
CURVE A65-81902
- CLAPPER, W. E.
RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER
WHOLE BODY X-RAY IRRADIATION IN DOG
LF-17 N65-10880
INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448

- CLARK, B.**
PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION
AND POSITION IN SPACE WHILE UNDERGOING
SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION
A65-18429
VESTIBULAR SIMULATION EFFECTS ON VISUAL PERCEPTION
FROM MANNED SPACE FLIGHT
A65-35486
EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS
ACCELERATION ON PILOT OF FLIGHT SIMULATOR -
REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND
POSITION IN SPACE
NASA-TM-X-51755
N65-23710
- CLARK, B. C.**
RADIATION HAZARDS ASSOCIATED WITH MANNED SPACE
FLIGHTS INVESTIGATED, USING TISSUE-EQUIVALENT
IONIZATION CHAMBERS
A65-30674
X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS -
TABULATION OF ATTENUATION AND ABSORPTION
COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND
GASES VS MUSCLE AND BONE
WL-TR-64-134
N65-29998
- CLARK, D. A.**
NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN
SERUM, PAROTID FLUID, AND URINE DURING
WEIGHTLESSNESS
A65-82359
- CLARK, H. J.**
RECOGNITION MEMORY FOR RANDOM SHAPES AS FUNCTION
OF COMPLEXITY, ASSOCIATION VALUE, AND DELAY
A65-81342
COMPARISON BETWEEN TRAJECTORY AND SIGHT LINE
SPACE RENDEZVOUS MANEUVERS, USING DIRECT
VISUAL CUES
AMRL-TR-65-10
N65-35632
- CLARK, J.**
REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR
MEASURING CHARACTERISTICS OF PHYSICAL
ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY
N65-30381
- CLARK, R. T.**
METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE
NASA-CR-60338
N65-15372
- CLARK, W. B.**
OPHTHALMOLOGICAL CONSIDERATIONS OF VISUAL PROBLEMS
OF SPACE FLIGHT
A65-14807
INVESTIGATION OF POSSIBILITY OF RADAR INDUCED
CATARACT
A65-81073
CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
PERSONNEL AND FLIGHT DUTY
A65-81950
- CLARKE, B.**
TRAINING OF BRITISH AIRCREWS FOR JUNGLE SURVIVAL
A65-81414
- CLARKE, N. P.**
SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE
MEASUREMENT DURING RESTRAINT AND EXPOSURE TO
VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE
ACCELERATIONS AND FREQUENCIES
A65-82368
- CLASEN, R. A.**
SURVIVAL OF DOGS WITH BRAIN INJURY BY FREEZING AS
AFFECTED BY HYPOTHERMIA
A65-82291
STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56
N65-22075
INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18
N65-30745
- CLAUS, G.**
ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES
A65-80444
- CLAUSEN, J.**
AUTONOMIC CORRELATES OF ELECTRICAL
EXCITABILITY OF EYE
A65-80250
- CLAUSER, C. E.**
USE OF ANTHROPOMETRIC DATA IN AIR FORCE PROGRAM
A65-82010
- CLAY, M.**
MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE
A65-80001
- CLAY, M. M.**
EFFECT OF COLD AND RESTRICTION OF MOVEMENT ON MAST
CELLS AND METACHROMASIA OF RAT SKIN
A65-81597
- CLAYTON, R. K.**
PROBLEMS IN PHOTOSYNTHESIS- OXIDATION REDUCTION
PROCESSES AND PHOTOCHEMICAL REACTION CENTER
MECHANISMS
A65-82014
- CLEARY, S. F.**
CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR
WORKERS OF VARIOUS AGES
A65-82038
- CLEMEDSON, C.-J.**
BIOECOLOGICAL AND BIOMEDICAL MONITORING FOR DESIGN
OF HEALTH SURVEILLANCE SYSTEMS FOR ASTRONAUTS IN
SPACE
A65-26746
- CLEMENT, D.**
HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION
A65-81821
- CLEMMESEN, S.**
AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO
ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD
CIRCULATION, AND BODY HEAT REGULATION
A65-82031
- CLIFFORD, J. E.**
HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS
USING HYDROGEN DIFFUSION CATHODE TO REMEDY
CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F
A65-15394
- CLOUSING, L. A.**
SIMULATOR AND FLIGHT TEST COMPARISON OF PILOT
PERFORMANCE TO DETERMINE FLIGHT SIMULATOR
REQUIREMENTS
ICAS PAPER 64-554
A65-30943
- CLOUTIER, R. J.**
THERMOLUMINESCENT DOSIMETRY USED TO MEASURE
TOTAL BODY IRRADIATION
N65-25665
- COBB, J. C.**
SPECIFIC MOTOR RESPONSE DURING SLEEP TO
SLEEP-ADMINISTERED MEANINGFUL SUGGESTION
A65-81012
- COBLENTZ, A.**
ANTHROPOMETRIC MEASUREMENTS OF VARIOUS NOMADIC
RACIAL GROUPS LIVING IN SAHARA
A65-80964
- COBURN, K. R.**
HIGH ACCELERATIVE FORCES EFFECT UPON CHIMPANZEES
IMMERSED IN WATER IN CONSTANT VOLUME G CAPSULE
A65-19844
POSITIVE ACCELERATION EFFECT ON CHIMPANZEES
IMMERSED IN WATER
A65-80727
HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSED
IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139
N65-15558
- COCKETT, A. T. K.**
PROBLEM OF BLADDER CALCULUS FORMATION AND
DECREASED URINARY FLOW IN MANNED SPACE FLIGHT
A65-80353
- CODE, M. M.**
FLIGHT NURSE TRAINING FOR CONTINUOUS ORIENTATION
TO JOB RESPONSIBILITIES
A65-81490
- COE, C. S.**
RECOVERY OF USABLE OXYGEN FROM WASTE CARBON

- DIOXIDE ON SPACECRAFT BY CATALYTIC HYDROGENATION
FOLLOWED BY ELECTROLYSIS A65-15625
- COERMANN, R.
SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING
OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY
OF INVOLUNTARY MOVEMENTS A65-80173
- VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT
BACKREST INCLINATIONS A65-80174
- COFER, C. N.
CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3 N65-36307
- COFFIN, L. H., JR.
PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES A65-80221
- COGAN, F. C.
AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY
MICROWAVE RADIATION IN RABBIT A65-82037
- COHEN, A.
HEARING LOSS, SPEECH DISRUPTION, AND PERFORMANCE
CAPACITY LOSS IN SUBJECTS EXPOSED TO NOISE A65-81871
- COHEN, B.
HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND
MONKEY CAUSED BY ELECTRIC STIMULATION OF
SEMICIRCULAR CANAL NERVE A65-80156
- COHEN, J. J.
ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO
STEPWISE ELEVATIONS OF ARTERIAL CARBON DIOXIDE
TENSIONS A65-80823
- COHEN, L. A.
OPTIMIZATION LOGISTICS PLANNING FOR IN FLIGHT
PHYSIOLOGICAL EXPERIMENTS DURING MANNED SPACE
FLIGHT A65-10540
- ORIENTATION MECHANISMS IN HUMAN BODY COVERING
EYE, NECK, VESTIBULAR APPARATUS, VISCERAL
PROPRIOCEPTORS, GRAVITY PRESSURE AND LOCAL
RECEPTORS A65-11398
- COHEN, L. D.
AGING AND VISUAL IDENTIFICATION OF TACTUAL-
KINESTHETIC FORMS A65-81123
- PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND
THEIR PREDICTION FROM RORSCHACH PROTOCOLS A65-81452
- COHEN, L. S.
EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR
VOLUME AND OXYGEN CONSUMPTION IN MAN A65-82326
- COHEN, M.
MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092
- COHEN, N. L.
CUPULOMETRY AS INVESTIGATIVE TOOL AND INFLUENCE OF
CINNARIZINE ON LABYRINTHINE FUNCTION A65-81045
- COHEN, R.
RORSCHACH CORRELATES OF TIME ESTIMATION A65-82087
- COHEN, R. L.
EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS
SAM-TDR-64-41 N65-10014
- COHN, J. E.
GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING
LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH
CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING
- CAPACITY DETERMINATIONS A65-82170
- COHNHEIM, J.
ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY
DISEASE
NASA-TT-F-9247 N65-16304
- COLBURN, H. S.
VARIATIONS IN BINAURAL-MASKED THRESHOLD OF 500-CPS
TONE MASKED BY RANDOM NOISE AS FUNCTION OF
SIMULTANEOUS SHIFTS IN INTERAURAL AMPLITUDE RATIO
AND TIME DELAY OF TONE A65-29975
- TIME INTENSITY RELATIONS IN BINAURAL UNMASKING-
INTERAURAL AMPLITUDE, THEORETICAL PREDICTIONS AND
LATERALIZATION A65-81741
- COLE, G.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724
- COLE, J. N.
LOW FREQUENCY AND INFRASONIC NOISE EFFECTS ON MAN
A65-81946
- COLE, L. J.
ABSCOPAL EFFECTS OF X-RAY IRRADIATION ON
COMPENSATORY HYPERTROPHY OF RAT KIDNEY
USNRDL-TR-783 N65-11665
- COLEBATCH, H. J. H.
RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
PCTGR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE A65-80667
- COLEHOUR, J. K.
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- COLEMAN, B.
CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23 N65-34134
- COLEMAN, S.
LEVEL OF SPACECRAFT STERILITY REQUIRED TO AVOID
BIOLOGICAL CONTAMINATION OF MARS A65-24224
- COLENBRANDER, A.
G FORCE INDUCED LABYRINTH STIMULATION RELATION TO
COUNTERROLLING OF EYE, DISCUSSING OTOLITH
FUNCTION, OCULAR TORSION, SUBJECTIVE LOCALIZATION
AND RETINAL COMPENSATION A65-26418
- EYE AND OTOLITHS A65-81113
- COLER, C. R.
FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15615
- COLGAN, C. M.
BRIGHTNESS ENHANCEMENT RELATED TO FLICKER FUSION
FREQUENCY AND AS FUNCTION OF OBSERVATIONAL
TECHNIQUE A65-82263
- COLIN, J.
TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT
A65-80109
- THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH
ALTITUDE A65-80119

- PROBLEMS OF ENVIRONMENTAL CONTROL IN CLOSED SPACE VEHICLE A65-81038
- VENTILATED CLOTHING AND UMBRELLA TO PROTECT INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION A65-81789
- USE OF RESPIRATORY IMPEDANCE IN AEROSPACE MEDICINE A65-81823
- INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN ENVIRONMENTAL TEMPERATURE A65-81912
- COLINET-LAGNEAUX, D.
SUPERFICIAL RESPIRATION AND RESPIRATORY EDEMA INDUCED IN RABBIT BY OZONE INHALATION A65-82350
- COLLETT, W. K.
STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING FROM WHOLE BODY FISSION NEUTRON IRRADIATION SAM-TR-65-8 N65-26241
- COLLEY, W. J.
UNITED STATES GOVERNMENT LIABILITY IN MILITARY AIRCRAFT ACCIDENTS A65-81541
- COLLIER, C. R.
ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN OXYGEN POISONING IN RABBITS A65-82100
- COLLIER, L.
WATER CONDITIONED SUIT DEVELOPMENT - PROTECTIVE CLOTHING RAE-TN-MECH-ENG-400 N65-29605
- COLLINGS, J. C.
INCORPORATION OF 5-BROMOURACIL AND PLASTID MUTATION DURING REPLICATION OF PLASTID DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND SULPHANILAMIDE A65-31389
- COLLINGS, W. D.
BLOOD FLOW MEASURED BY ELECTROMAGNETIC FLOW METER TO DETERMINE CARDIAC OUTPUT NASA-CR-58985 N65-32091
- COLLINS, B. E.
REWARD MOTIVATION IN HUMAN BEHAVIOR - PSYCHOLOGICAL TESTING TR-1 N65-31969
- COLLINS, J. F.
REINTERPRETATION OF ONE FORM OF BACKWARD AND FORWARD MASKING IN VISUAL PERCEPTION A65-82233
- COLLINS, L. R.
ANTHROPOLOGY AND MODERN TECHNOLOGY A65-82011
- COLLINS, R. L.
EFFECT OF ALCOHOL ON PILOT PERFORMANCE A65-81102
- COLLINS, V. G.
HUMAN WASTE PRODUCTS WATER RECLAMATION SYSTEMS RENDERING SPACE CREW INDEPENDENT OF STORED WATER REQUIREMENTS AICE PREPRINT 54A A65-15397
- COLLINS, W. E.
MENTAL TASK EFFECT ON AUDITORY FATIGUE, EXPOSING SUBJECTS TO FATIGUE TONE UNDER CONDITIONS OF MENTAL ARITHMETIC AND REVERIE A65-17837
- MENTAL ARITHMETIC, LONG DIVISION, THRESHOLD DETERMINATION AND REVERIE EFFECTS ON TEMPORARY THRESHOLD SHIFT ON AUDITORY FATIGUE A65-25856
- TASK-CONTROL OF AROUSAL AND EFFECT OF UNIDIRECTIONAL ANGULAR ACCELERATION ON HUMAN VESTIBULAR FUNCTION A65-80038
- ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING, NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE FAA-AM-64-16 N65-15308
- BILATERAL CALORIC HABITUATION ON NYSTAGMUS RESPONSES ON CAT AM-64-14 N65-15346
- MECHANICALLY DRIVEN ANGULAR ACCELERATION DEVICE USED AS VESTIBULAR STIMULATOR AM-64-15 N65-16216
- EFFECT OF MENTAL TASKS ON AUDITORY FATIGUE AM-65-1 N65-18546
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE TRANSLATIONS AM-65-17 N65-26955
- ADAPTATION TO VESTIBULAR DISORIENTATION - VERTIGO AND NYSTAGMUS AFTER REPEATED CLINICAL SIMULATION AM-65-18 N65-26956
- ADAPTATION TO VESTIBULAR DISORIENTATION - NYSTAGMUS AND VERTIGO FOLLOWING HIGH VELOCITY ANGULAR ACCELERATION AM-65-24 N65-34303
- COLMAN, A. L.
NEW METHOD OF RECORDING EYE MOVEMENT - PHOTONYSTAGMOGRAM A65-81242
- COLOMBI, L.
MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE MUSCULAR WORK A65-80513
- COLOMBO, G. V.
DEGASSING CHARACTERISTICS OF MATERIALS AND SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL EVALUATION TECHNIQUE A65-23617
- BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION WATER RECOVERY UNIT A65-34474
- COLTRO, L.
COMPARISON OF ELECTROCARDIOGRAMS OF SUBJECTS PERFORMING WORK AND TRAINED ATHLETES A65-81257
- CONARD, R. A.
MEDICAL SURVEY OF PEOPLE OF RONGELAP IN MARSHALL ISLANDS NINE AND TEN YEARS AFTER EXPOSURE TO RADIATION FALLOUT ENL-908/T-371/ N65-26295
- CONE, C. D., JR.
AERECOLOGICAL STUDY OF ALBATROSS FLIGHT N65-12528
- CONGDON, C. C.
PREVENTION OF INFECTIONS AND HEMORRHAGIC MANIFESTATIONS FOLLOWING SEVERE RADIATION DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES N65-25661
- SHIFT IN DISTRIBUTION OF BODY NITROGEN IN IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS N65-25662
- CONKLE, J. P.
MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES A65-81971
- CONKLIN, J. E.
INVESTIGATION OF VISUAL REQUIREMENTS FOR LANDING SPACECRAFT ON MOON AND SUBSEQUENTLY ACHIEVING RENDEZVOUS WITH COMMAND MODULE IN ORBIT A65-35494
- CONNORS, M. M.
RECOVERY OF FOVEAL ACUITY FOLLOWING EXPOSURE TO VARIOUS INTENSITIES AND DURATIONS OF LIGHT A65-82259
- CONOVER, D. W.
HUMAN ENGINEERING GUIDE FOR EQUIPMENT DESIGNERS A65-81170
- CONRAD, R.
ACOUSTIC FACTORS VERSUS LANGUAGE FACTORS IN SHORT-TERM MEMORY A65-82280

- CONSOLAZIO, C. F.**
ENERGY REQUIREMENTS OF MEN WORKING AND LIVING IN
EXTREME HEAT A65-80970
ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602
CALORIC REQUIREMENTS FOR MANNED SPACE FLIGHTS
N65-18578
COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517
TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- CONSTANTINE, H. P.**
REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED
BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE
A65-80731
- CONSTANTINESCU, S.**
EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- COOK, C. D.**
DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF
BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN
WASHOUT METHOD A65-80306
- COOK, D. A.**
MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED
CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS
CONTROL OF RADIOLOGICAL HAZARD
RCC-R-178 N65-33014
- COOK, D. W.**
EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGRAPHY WITH CARBON 14 A65-31725
- COOK, E. S.**
TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD A65-80430
- COOK, T. J.**
BIOLOGICAL EFFECTS OF DECOMPRESSION FROM 8000 TO
45,000 FT AT RATES OF 5 TO 38 SEC ON FOUR PILOTS
AND FOUR PASSENGER SUBJECTS, EXAMINING OXYGEN MASK
ROLE A65-24075
EFFECT OF VARIABLE RATES OF DECOMPRESSION FROM
8,000 TO 45,000 FEET A65-81072
- COOKE, J. P.**
NEUROLOGIC ADAPTATIONS, AUDIOGENIC RESPONSES,
GROWTH PATTERN, AND HEMATOLOGICAL ALTERATIONS IN
MICE EXPOSED TO ACCELERATION STRESS A65-81948
CONSTRUCTION AND OPERATION OF SMALL ANIMAL
CENTRIFUGE FOR CARRYING OUT EXPOSURES TO
GRAVITATIONAL FIELD
SAM-TR-65-23 N65-33738
- COOKE, P. M.**
STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56 N65-22075
INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18 N65-30745
- COOKE, S. L., JR.**
MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431
- COOMBER, J. E.**
HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH
- NASA-CR-67374 N65-35580
- COONLEY, C.**
RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557
- COOPER, B.**
RADIATION EFFECT ON RETINA - BURN INJURY STUDY
R-1747 N65-23889
- COOPER, C. F.**
POTENTIAL APPLICATIONS OF REMOTE SENSING TO
ECOLOGY RESEARCH N65-33589
- COOPER, C. J.**
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE A65-80180
- COOPER, G. D.**
PERSONALITY CHANGES AFTER SENSORY DEPRIVATION AND
THEIR PREDICTION FROM RORSCHACH PROTOCOLS
A65-81452
- COOPER, K. E.**
CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT
ON REFLEX VASODILATATION IN HAND A65-80189
- COOPER, K. H.**
PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA A65-80385
- COOPER, R. C.**
RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655
DETECTION AND STUDY OF MICROBIAL POPULATION IN
UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE
SAMPLING WITH ELECTROSTATIC PRECIPITATOR
N65-23986
- COOPER, T.**
EFFECT OF LARGE DOSE OF RESERPINE GIVEN
INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-
GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372
MICROWAVE RADIATION OF RAT AND EFFECT OF
PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE
A65-80756
EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS
PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO
MICROWAVE IRRADIATION A65-81866
- COOPERBAND, A. S.**
OPERATING RULE FLEXIBILITY EFFECTS ON HUMAN
PERFORMANCE IN TERMINAL AIR TRAFFIC CONTROL
SYSTEMS A65-10542
- COPENHAVER, R. M.**
VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS
WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC
ACTIVITY A65-80783
DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION
OF CENTRAL AND PERIPHERAL RETINA
A65-81656
- COPMAN, L.**
RECTUM, LOWER ESOPHAGUS, AND TYMPANUM
TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM
OF SUBJECTS DURING REST AND WORK UNDER HOT AND
COLD ENVIRONMENTAL TEMPERATURES
A65-80276
ELEVATION OF INTERNAL BODY TEMPERATURES DURING
TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1 N65-33342
- CORAH, N. L.**
PHENOMENAL VERTICAL AND PERCEPTION OF CHANGE IN
SPATIAL ORIENTATION A65-81655
- CORBIN, H. H.**
RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557

- CORCORAN, D. W. J.
TASK COMPLEXITY AND PRACTICE - EFFECTS
ON PERFORMANCE AFTER LOSS OF SLEEP A65-80341
- PERSONALITY AND INVERTED - U RELATION BETWEEN
PERFORMANCE AND AROUSAL A65-82114
- CORDEAU, J. P.
EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING
WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE
SLEEP A65-80616
- COREY, C. J.
HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES TAC-TR-63-18 N65-16669
- CORLETT, B. M. A.
SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL
NYSTAGMUS OF CAT A65-81178
- CORLISS, W. R.
INSTRUMENTS AND METHODS TO DETECT LIFE ON OTHER
PLANETS A65-16817
- SPACECRAFT, MISSIONS AND INSTRUMENTATION FOR SPACE
PROBES AND INTERPLANETARY EXPLORATION A65-82064
- CORNING, W. C.
ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE
CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL
GANGLIA ELECTRICAL ACTIVITY A65-22674
- CORNSEWET, T. N.
MEASURING MOVEMENTS OF RETINAL IMAGE WITH RESPECT
TO RETINA A65-81058
- CORREIA, M. J.
GRAVITY LABYRINTH ORIENTATION INFLUENCE ON
RESPONSES FROM STIMULATION OF HORIZONTAL
SEMICIRCULAR CANALS NASA-CR-59548 N65-11396
- COSCIA, G. C.
PARALYSIS OF ARM IN ACUTE CARBON MONOXIDE
POISONING A65-80287
- BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND
GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS
EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE A65-80291
- COSIC, V.
ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC,
AND TOXICOLOGIC OBSERVATIONS A65-80820
- COSTA, L. D.
ELECTROMYOGRAPHIC AND MICROSWITCH MEASURES OF
AUDITORY REACTION TIME COMPARED A65-81561
- COSTIN, A.
NYSTAGMUS EVOKED BY INTERMITTENT PHOTIC
STIMULATION OF RABBIT EYE A65-81086
- COTTIN, H. J.
COMPARATIVE HUMAN BEHAVIOR OF DIFFERENT SIZE
GROUPS OF ADULTS IN DESERT ENVIRONMENT UNDER
VARYING LIVING CONDITIONS A65-80966
- COTUGNO, V.
FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS A65-80991
- COTY, D. T. R.
EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN
MAN A65-80639
- COUCH, J. R.
BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS
OF CATARACTOGENIC METHODS SAM-TDR-64-19 N65-26243
- COULTER, J. M.
APOLLO PROGRAM AND MANNED ORBITING SPACE STATIONS
A65-81281
- COULTER, N. A., JR.
HEART RATE RESPONSE TO HELD LUNG VOLUME IN
INSPIRATORY AND EXPIRATORY POSITIONS A65-81145
- INFORMATION THEORY APPLIED TO NEURAL NETS AND
MOTOR AND VISUAL NERVOUS SYSTEMS APRL-TR-64-80 N65-11898
- COULTER, T. W.
NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND
DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND
AUSCULTATORY METHODS A65-10726
- COURILLON, J.
LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL A65-80115
- COURMAND, A.
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- COURTER, R.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS A65-81054
- COURTS, D. E.
SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME
ESTIMATION, MEMORY, AND REACTION TIME A65-80951
- COWAN, R. D.
CALCULATION OF RETINAL DOSE FROM VISIBLE RADIATION
OF NUCLEAR EXPLOSIONS LA-3204-MS N65-19331
- COWLEY, R. A.
LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA
A65-80059
- COMPER, G.
ANALYSIS OF EXTERNAL RADIATION EXPOSURE -
COSMETRY AND NUCLEAR REACTOR SAFETY AECL-2239 N65-27447
- COX, J. A.
FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING
DEVICES FOR FIXED PROCEDURES TASKS TR-65-4 N65-30134
- COX, V. C.
HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM
FOOT SHOCKS A65-36099
- CRACIUN, E. C.
EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS A65-82325
- CRAIGHEAD, C. C.
MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY NASA-CR-64601 N65-33128
- CRAIG, E. A.
DEPTH DISCRIMINATION FOR INTERMITTENT
STIMULI VIEWED BINOCULARLY MONOCULARLY
AND WITH ALTERNATING EYES A65-80249
- CRAIG, H.
PETROLOGICAL AND COMPOSITIONAL RELATIONSHIPS IN
VARIOUS TYPES OF METEORITES A65-80373
- CRAIG, P. H.
HIGH ACCELERATIVE FORCES EFFECT UPON CHIMPANZEES
IMMERSED IN WATER IN CONSTANT VOLUME G CAPSULE A65-19844
- POSITIVE ACCELERATION EFFECT ON CHIMPANZEES
IMMERSED IN WATER A65-80727

- HIGH ACCELERATION FORCES ON CHIMPANZEES IMMERSSED
IN WATER TO TEST PHYSIOLOGICAL RESPONSE
NADC-MA-6139 N65-15558
- CRAIK, F. I. M.
AGE DECREMENT IN PERFORMANCE ON DICHOTIC
LISTENING TASKS A65-82084
- CRAIN, R. A.
ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE
TRANSLATIONS
AM-65-17 N65-26955
- CRAMPTON, G. H.
QUANTIFICATION OF HUMAN NYSTAGMIC RESPONSE TO
ANGULAR ACCELERATION - PREDICTION FORMULAE AND
NOMOGRAPH A65-81527
- REPEATED VERTICAL SEMICIRCULAR CANAL STIMULATION
DOES NOT HABITUATE HORIZONTAL NYSTAGMUS IN CAT
A65-81536
- EFFECT OF VERTICAL SEMICIRCULAR CANAL STIMULATION
ON HORIZONTAL NYSTAGMUS IN CAT
REPT.-620 N65-36664
- CRANE, H. D.
DIGITAL COMPUTER FOR ANALYSIS OF HUMAN PERCEPTION
OF SPATIAL-TEMPORAL PATTERNS DISPLAYED TACTUALLY
A65-24147
- OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRID
AFOSR-65-0042 N65-27933
- BASIC STUDIES ON TACTILE PERCEPTION AND
COMMUNICATION - PSYCHOLOGICAL EXPERIMENTS,
INSTRUMENTATION, AND EQUIPMENT
NASA-CR-322 N65-36764
- CRAWMORE, D.
DEOXYRIBONUCLEIC SYNTHETIC ACTIVITY AND CHROMOSOME
REPLICATION IN CAT BONE MARROW CELLS
USNRDL-TR-779 N65-11959
- CRASKE, B.
VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT
EXAFFERENT STIMULATION A65-81980
- CRAVERI, A.
FIBRINOLYSIS IN CARBON MONOXIDE POISONING
IN ANIMALS A65-80288
- CRAW, M. R.
REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED
BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE
A65-80731
- CRAWFORD, R. G.
STERILIZATION CONTAINER DESIGN FOR HARD AND SOFT
PLANETARY LANDERS
AIAA PAPER 65-387 A65-30207
- CRAWFORD, T. H.
MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431
- CRAWLEY, G. J.
PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS
ENTEROTOXIN - ANIMAL STUDY N65-22747
- CREELMAN, C. D.
DISCRIMINABILITY AND SCALING OF LINEAR EXTENT
A65-81981
- CREUTZFELDT, D. D.
INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT
A65-82355
- CREWS, A. H., JR.
TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFRACTION A65-80588
- CREWS, H. C., JR.
PHYSIO-MECHANICAL EFFECTS OF ACCELERATION ON
HUMANS WORKING IN ROTATING ENVIRONMENTS
R-63 N65-15039
- PHYSIOLOGICAL MECHANICAL EFFECT OF ACCELERATIONS
ON HUMANS WORKING IN ROTATING ENVIRONMENT
R-63 N65-20565
- CRISSEY, J.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- CRISTESCU, C.
PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL
STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-
ENCEPHALOGRAPHIC TESTS A65-10870
- CRITZ, G. T.
EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND
GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN
PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457
- CROCKER, J. F.
LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION
A65-10693
- CRONIN, L.
PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN
SATURATION DECREASE DUE TO PULMONARY ARTERIAL-
VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO
FORWARD ACCELERATION A65-29057
- BLOOD OXYGEN CHANGES INDUCED BY FORWARD
ACCELERATION
AMRL-TR-64-132 N65-21039
- CROKITE, E. P.
DIAGNOSIS, AND TREATMENT OF HUMAN RADIATION
INJURY AFTER WHOLE-BODY EXPOSURE WITH PROGNOSIS
FOR LEUKEMIA A65-80165
- CROPP, G. J. A.
PULMONARY CIRCULATION IN PERFUSED LUNGS OF DOGS
AS AFFECTED BY HIGH INTRA-ALVEOLAR OXYGEN TENSION
A65-80228
- CROSS, K.
TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION,
AND RETENTION OF TRACKING SKILL
A65-82055
- CROSSMAN, E. R. F. W.
INFORMATION THEORY APPLICATION TO HUMAN TRACKING
BEHAVIOR - ADDITIONAL EXPLANATION
A65-82086
- CROUCH, D. S.
DESIGN STUDY OF LUNAR EXPLORATION HAND TOOLS FOR
LUNAR GEOLOGICAL AND ENVIRONMENTAL PROGRAM -
FIRST QUARTERLY DESIGN REPORT
NASA-CR-65092 N65-31179
- CROUZY, R.
THEORY OF DETECTABILITY OF SIGNAL USED TO
CALCULATE CERTAIN PSYCHOMETRIC FUNCTIONS
A65-18362
- CROVITZ, H. F.
RETINAL LOCUS IN TACHISTOSCOPIC
BINOCULAR COLOR RIVALRY A65-80254
- VISUAL FIELD AND LETTER SPAN A65-81983
- CRUISE, A. J.
VISUAL PRESENTATION OF AIRCRAFT INFORMATION
A65-81334
- CRUMPTON, C. W.
ENERGY METABOLISM IN DOGS AND RATS DURING
IRREVERSIBLE HEMORRHAGIC SHOCK
AD-467957 N65-36174
- CRUZ-JIBAJA, J.
CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016

- CSANYI, A. P.**
PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129 N65-24418
- CUDDIHY, R. G.**
RADIATION HAZARD TO MAN FROM ICDINE 131
UR-653 N65-12340
- CUDDY, R. P.**
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS A65-81144
- CUDKOWICZ, L.**
RESPONSE OF RIGHT ATRIAL PRESSURE TO VALSALVA
MANEUVER AFTER INFUSION OF NOREPINEPHRINE
A65-80663
- CULBERT, S. S.**
OBJECT RECOGNITION AS FUNCTION OF NUMBER OF
DIFFERENT VIEWS DURING TRAINING
A65-81088
- CULBERTSON, W. J., JR.**
REGENERABLE SILVER OXIDE SYSTEM FOR CARBON DIOXIDE
REMOVAL FROM MANNED SPACE CAPSULE
AMRL-TR-64-119 N65-20529
- CULLEN, J. K., JR.**
VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK
A65-82081
- CULVER, J. F.**
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE
NUCLEAR DETONATIONS A65-14240
- OPHTHALMOLOGICAL CONSIDERATIONS OF VISUAL PROBLEMS
OF SPACE FLIGHT A65-14807
- PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA A65-80385
- CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
PERSONNEL AND FLIGHT DUTY A65-81950
- CULVER, J. P.**
PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN
ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND
OTHER SEVERE OCULAR DAMAGE A65-14385
- CUMMING, G. R.**
BLOOD CLOTTING IN HUMANS AS AFFECTED BY PHYSICAL
EXERCISE IN COLD ENVIRONMENT A65-81141
- CUNNINGHAM, D. J. C.**
RESPIRATORY RESPONSE OF MAN TO HYPOXIA
A65-80357
- EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION A65-82074
- CUNNINGHAM, W. L.**
CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606
- CUPERLOVIC, N.**
BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456
- CURETON, T. K.**
ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK
CAPACITY AND ANTHROPOMETRIC MEASUREMENTS
OF MIDDLE-AGED MEN A65-80203
- ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN A65-80204
- BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION
A65-80205
- CURRAN, C. S.**
APPARATUS FOR LUMINANCE-THRESHOLD DETERMINATION IN
ANIMALS A65-81418
- CURRAN, P. M.**
MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL
THREAT STRESS AS RELATED TO COLOR DISCRIMINATION
PERFORMANCE A65-82118
- CURTIN, J. G.**
PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY
INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD
FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL
VISUAL DISPLAY
D228-421-019 N65-19440
- CURTIS, H. J.**
RADIATION DAMAGE AND RECOVERY IN MAMMALIAN ORGANS
BNL-8469 N65-32842
- CURTIS, S. B.**
RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY
FRACTIONAL CELL LETHALITY APPROACH
N65-34603
- CUTLER, R. G.**
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- CUTTICA, F.**
KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- CZIHARZ, H.**
NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER A65-80188

D

- DADOUNE, J.-P.**
SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE A65-80111
- PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN
MOUSE A65-80114
- DAFNY, N.**
EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY
IN POSTERIOR HYPOTHALAMUS IN CATS
A65-82275
- DAGIANTI, A.**
HEMODYNAMIC RESPONSE IN DOGS TO CHRONIC
DISCONTINUOUS HYPOXIA A65-81844
- DAGNINO, N.**
FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072
- VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222
- DAGROSA, L. S.**
CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23 N65-34134
- DAHL, A. O.**
LONG TERM ANALYSIS OF ATMOSPHERIC POLLEN
N65-23993
- DAHL, J. B.**
CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN
BIOLOGICAL FLUIDS
KR-80 N65-30572
- DAHL, N. A.**
SURVIVAL TIME OF CONTROL AND PRE-EXPOSED RATS IN
ANOXIA DETERMINED FROM ATP LACTATE AND PYRUVATE
CONCENTRATION IN BRAIN TISSUE A65-17482
- DAHMS, J. G.**
ANALOG POWER SPECTRAL DENSITY ANALYSIS OF

- ELECTRORETINOGRAM DATA
NASA-CR-64330 N65-30840
- DAIUTOLO, C. T.
MEASUREMENT OF METEOROID ENVIRONMENT FROM EXPLORER
XVI SATELLITE A65-80399
- DALHAMER, W. A.
PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
DISPLACEMENT FUNCTION, AND TARGET VELOCITY A65-82361
- DALRYMPLE, G. V.
EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887
- MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679
- DALTON, P.
THERMOLUMINESCENT DOSIMETRY USED TO MEASURE
TOTAL BODY IRRADIATION N65-25665
- DALY, J. F.
CUPULOMETRY AS INVESTIGATIVE TOOL AND INFLUENCE OF
CINNARIZINE ON LABYRINTHINE FUNCTION A65-81045
- DALY, J. W.
SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61 N65-12131
- DALY, D. W.
SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897
- DAMATO, A. N.
HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- DAMATO, M. J.
HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION
AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN
CABIN ATMOSPHERE N65-14452
- DAMOISEAU, J.
INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF
BREATHING A65-81274
- DANCER, G. H. C.
MEASUREMENT OF SPECIFIC ACTIVITY OF RESPIRED
CARBON-14 DIOXIDE AS METHOD OF HEALTH PHYSICS
CONTROL OF RADIOLOGICAL HAZARD
RCC-R-178 N65-33014
- DANGELO, V.
BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD
POISONING OF RABBITS A65-81255
- BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL
LEAD POISONING IN RABBITS A65-81256
- DIAGNOSTIC METHODS USED IN CARBON MONOXIDE
POISONING - COMPARATIVE STUDY A65-81401
- DANIEL, J. C., JR.
LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- DANIEL, S. S.
LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073
- DANIELS, R. G.
BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL
OF RADIATION HAZARDS A65-81091
- DANILEYKO, V. I.
WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO
RADIAL ACCELERATION N65-13670
- RACER ELECTROCARDIOGRAM UNDER NORMAL CONDITIONS
AND IN HYPOXIA N65-17755
- DANILOVA, L. K.
CHARACTERISTICS OF EVOKED POTENTIALS DURING
EXTINCTION OF ORIENTING RESPONSE IN DOGS A65-80700
- DANISH, G. YA.
HYPOXIC AND MUSCLE TENSION SHIFT CHARACTERISTICS
USED IN DIAGNOSIS AND THERAPEUTIC TREATMENT OF
DAMAGED ENDOCARDIUM N65-17796
- DANSGAARD, W.
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- DANTCHEV, D.
ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003
- DANYSZ, A.
RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION A65-80622
- DANZER, L. A.
GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING
LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH
CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING
CAPACITY DETERMINATIONS A65-82170
- DANZIGER, F.
ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346 N65-14761
- DANZIGER, K.
JUDGMENT OF DURATION OF TONES AS FUNCTION OF
INTENSITY A65-81005
- DANZINGER, K.
VARIABILITY IN FLICKER FUSION FREQUENCY RELATED
TO COGNITIVE CONTROL AND ATTENTION A65-81758
- DASHEVSKY, S. G.
CHECK-READING ACCURACY AS FUNCTION OF POINTER
ALIGNMENT, PATTERNING, AND VIEWING ANGLE
A65-80342
- CHECK-READING ACCURACY AND QUANTITATIVE
INFORMATION COMBINED IN SPACE-SAVING DISPLAY
A65-80343
- DASLER, A. R.
RECTUM, LOWER ESOPHAGUS, AND TYMPANUM
TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM
OF SUBJECTS DURING REST AND WORK UNDER HOT AND
COLD ENVIRONMENTAL TEMPERATURES A65-80276
- ELEVATION OF INTERNAL BODY TEMPERATURES DURING
TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1 N65-33342
- DATER, W. F., JR.
MAN-MACHINE INTERACTION IN INFORMATION DISPLAY AND
PROCESSING
ESD-TDR-64-609 N65-11774
- DATKHAYEV, YU. I.
CHARACTERISTICS OF ANESTHETIC ADMINISTERED AT
HIGH ALTITUDE - PATIENT REACTION, HYPOXIA,
RESPIRATION, CIRCULATION, AND APNEA
JPRS-30577 N65-25459
- DATSENKO, I. I.
DISTURBANCE IN CARBON METABOLISM IN EXPERIMENTAL
CARBON MONOXIDE POISONING IN RABBITS A65-82183
- DAUBE, J. R.
NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160

PERSONAL AUTHOR INDEX

DAWKINS, M. J. R.

DAUMANN, F.-J.
COORDINATION OF HEART AND RESPIRATORY RATES
DURING PHYSIOLOGICAL WORK A65-81853

DAUSON, D. D.
ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN
PHYSIOLOGY JPRS-28225 N65-14261

DAUVILLIER, A.
PHOTOCHEMICAL ORIGIN OF LIFE A65-81526

DAVID, H.
CELLULAR MODEL OF CYBERNETIC SYSTEM BASED ON
MORPHOLOGICAL AND BIOCHEMICAL STRUCTURE AND
FUNCTION JPRS-28974 N65-17986

DAVID, H. M.
INSTRUMENTATION FOR BIOMEDICAL TESTS USEFUL TO AIR
FORCE MANNED ORBITING LABORATORY PROGRAM IN
MEASURING SPACE FLIGHT STRESSES A65-80549

APOLLO SUIT SUBSTANTIALLY REDESIGNED A65-81160

AIR FORCE RESEARCH ON TOXICITY OF MATERIALS
POSSIBLY CONTAMINATING SPACE CABINS A65-81161

TRAINING OF AIR FORCE PILOTS DURING SIMULATION OF
APOLLO FLIGHT A65-81389

DAVIDENKOVA, YE. F.
CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING
GENETIC EFFECTS OF RADIATION - HEREDITY JPRS-31635 N65-31211

DAVIDOVIC, J.
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS A65-81085

BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456

DAVIDSON, A. F.
MECHANICAL AID FOR RAPID AIRCREW EXIT AND NEED FOR
AEROSPACE MEDICAL SPECIALIST WITH DIVING ABILITY
FOR DITCHING AIRCRAFT ACCIDENT INVESTIGATION A65-81520

DAVIDSON, E. H.
BRIGHTNESS CONSTANCY UNDER GRADIENT OF
ILLUMINATION A65-81438

DAVIDSON, R. M.
MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING
VEHICLE DURING ORBIT, RETROCKET FIRING, AND
REENTRY INTO EARTH ATMOSPHERE NASA-TM-X-359 N65-12802

DAVIES, T. A. L.
SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY
MEN EXPOSED TO BENZENE VAPOR A65-80611

DAVIS, B. P.
GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE
SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL
AGAINST TOXICITY OF PROPELLANTS A65-11400

DAVIS, D. M.
RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS
TO RADIATION ORNL-3820 N65-25582

DAVIS, D. R.
PSYCHOLOGICAL MECHANISMS IN PILOT ERROR - ANXIETY
AND PILOT TRAINING A65-81326
SKIN-CONDUCTANCE, ALPHA-ACTIVITY, AND VIGILANCE A65-81582

DAVIS, G.
SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND

BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES A65-80897

DAVIS, H.
INTERNATIONAL STANDARD REFERENCE ZERO FOR
PURE-TONE AUDIOMETRY A65-81484

SLOW CORTICAL RESPONSE EVOKED BY ACOUSTIC STIMULI A65-82134

DAVIS, J. C.
DRUG, ALCOHOL, AND TOBACCO CONSUMPTION AND DIET
SURVEY OF AIRCREW PERSONNEL A65-80896

DAVIS, R.
CHOICE REACTION TIME IN TASK INVOLVING DECISION ON
COMBINATION OF VISUAL INFORMATION FROM TWO
DIFFERENT SOURCES A65-80338

REACTION TIME TO SECOND OF TWO STIMULI AS FUNCTION
OF INTERSTIMULUS INTERVAL A65-80851

DAVIS, W. R.
PARACHUTING INJURY - ANALYSIS, PREVENTION AND
TRAINING IN MILITARY PARACHUTING A65-80223

DAVISON, F. C.
DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES COO-1170-3 N65-24619

DAVISON, R. A.
COMPARISON OF VALSALVA MANEUVER AND FRENZEL
MANEUVER IN MIDDLE EAR VENTILATION A65-81262

DAVYDOV, B. I.
CRITICAL ACCELERATION ENDURANCE INCREASE OF
IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS A65-18374

SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS A65-25097

BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098

CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT A65-80439

DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER
IRRADIATION A65-80985

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT A65-81325

PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT N65-13632

BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157 N65-14606

TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE
IN IRRADIATED ORGANISM - ANIMAL STUDY N65-22724

BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION,
AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE N65-27136

DAVYDOV, V. I.
REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT N65-16404

DAWKINS, M. J. R.
METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN

- MAMMALS A65-81743
- DAWKINS, P. B.
PROGRAMMED INSTRUCTION AND LOW ALTITUDE AERIAL
OBSERVATION HUMRRD-RR-14 N65-17468
- DAWSON, E. B.
BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS
OF CATARACTOGENIC METHODS SAM-TDR-64-19 N65-26243
- DAWSON, W. W.
THERMAL STIMULATION OF EXPERIMENTALLY
VASOCONSTRICTED HUMAN SKIN AND ADAPTATION A65-80251
- DAY, J. L.
LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE
PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER,
SILVER CHLORIDE AND NONIRRITATING PASTE A65-21947
- DAY, P. W.
SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE N65-36771
- DAY, R. H.
AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR
COLLICULUS OF CAT DURING ACOUSTIC HABITUATION A65-80197
- COMMENT ON SELF-INDUCED MOVEMENT AS DETERMINANT OF
SPATIAL ADAPTATION A65-81559
- ANALYSIS OF SATIATION-FATIGUE MECHANISM OF FIGURAL
AFTER-EFFECTS A65-82257
- DAYHOFF, M. O.
COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC
EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES A65-30593
- DAYUBA, A. I.
CHANGE IN EXTERNAL RESPIRATION AND BLOOD ALKALI
RESERVES AS INDEX OF HYPOXIA IN BRONCHIAL ASTHMA
PATIENTS N65-17801
- DE ANGELIS, A. M.
EKG AND BLOOD PRESSURE STUDIES IN MILITARY JET
PILOTS BEFORE AND AFTER FLIGHT A65-30139
- HEART RATE AND BLOOD PRESSURE CHANGES IN JET
PILOTS A65-81442
- ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF
ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO
ANOXIA A65-81796
- DE BUONO, C. J.
ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF
PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF
POCKET MICE A65-19519
- DE BURGH DALY, M.
REFLEX CIRCULATORY AND RESPIRATORY RESPONSES TO
HYPOXIA - A REVIEW A65-80356
- DE ESTABLE, R. F.
MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION A65-21945
- LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM
NASA-TM-X-51741 N65-22189
- ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX
FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317
- DE GEEST, H.
CAROTID SINUS BARORECEPTOR REFLEX EFFECTS UPON
MYOCARDIAL CONTRACTILITY A65-80391
- DE HAVEN, J. C.
MATHEMATICAL MODEL USED TO EXAMINE
- PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS
IN WHICH HUMAN BODY CONTROLS FLUID AND
ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR N65-31199
- DE KLERK, L. F. W.
PILOTS DYNAMIC VISUAL ACUITY RELATION TO FLYING
SKILLS SUCH AS SHOOTING AND INSTRUMENT, NIGHT AND
FORMATION FLYING A65-26420
- DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO
THEIR FLYING PERFORMANCE A65-81117
- DE LEON, G.
HUMAN HEART RATE CONDITIONING WITH NOISE AS
UNCONDITIONED STIMULUS A65-80094
- DE SOCIO, E.
USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS
AD-450861 N65-14679
- DE VRIES, H. A.
BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES
AS AFFECTED BY BREATHING IONIZED AIR A65-82018
- DEAL, P. L.
REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517
- DEAN, R. D.
HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE,
PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND
PERFORMANCE A65-29990
- DEANE, G. E.
CARDIAC RATE AS FUNCTION OF CHANGES IN RESPIRATION
IN MAN A65-80625
- DEATHERAGE, B. H.
MECHANISM AND PROBLEMS OF BINAURAL INTERACTION -
ANATOMY, PHYSIOLOGY, AND PSYCHOLOGY
TRACOR-64-199-U N65-15031
- DEAVER, B. S., JR.
DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN
MACROMOLECULES OF BIOLOGICAL INTEREST WITH
MAGNETIC SUSCEPTIBILITY
NASA-CR-60122 N65-14803
- DEBECKER, J.
RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD
AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL
CORTEX A65-80734
- DEBIJADJI, R.
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- DEBOO, G. J.
MINIATURE BIOPOTENTIAL TELEMTRY SYSTEM A65-82204
- DEC, L.
EFFECT OF PHYSICAL EXERCISE ON URINARY EXCRETION
OF ELECTROLYTES IN HUMANS A65-81941
- DECHEV, G.
INSTANTANEOUS VARIATIONS OF METABOLITE
CONCENTRATION IN SYSTEM OF METABOLIC PROCESSES
IN CELLS
JPRS-31464 N65-31213
- DECKER, H. M.
LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE
MICROORGANISMS OUTDOORS AND INDOORS N65-23996
- DECKER, R. S., JR.
REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR
ROCKET REACTOR N65-10875
- DEDOLPH, R. R.
TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS
AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL

- POSITION A65-24779 A65-81818
- DEDYULIN, I. M.**
COUPLED ION EXCHANGE OF POTASSIUM AND SODIUM SALTS
BETWEEN HUMAN ERYTHROCYTES AND BLOOD PLASMA AT
VARIOUS OXYGEN PRESSURES N65-17816
- DEETJEN, P.**
OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG
KIDNEY A65-80362
- DEGNER, E. A.**
INTENSITY AND DURATION OF BENDS PAINS DETERMINED
BY SIMULATED ORBITING LABORATORY FLIGHTS OF
VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN
DISSOLVED IN BLOOD A65-24074
- DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT
A65-81071
- DEGRAFF, A. C., JR.**
FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING
CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH
ALTITUDE A65-81185
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON
MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH
SEA LEVEL NATIVES
AD-463110 N65-33244
- DEGRE, S.**
A SIMPLE WORK CAPACITY TEST - CT170, A CARDIAC
FUNCTION TEST A65-82356
- DEGROSSI, O.**
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT
THYROID TUMORS
REPT.-129 N65-23729
- STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- DEGTAREV, V. A.**
BLOOD FLOW TIME DETERMINATION BY OXYHEMOGRAM
RECORDING ON OSCILLOGRAPH
JPRS-31093 N65-28878
- DEITCH, J.**
ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- DEJOURS, P.**
CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY
TO CARBON DIOXIDE IN MAN A65-81903
- DEKLEVA, N.**
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- DEL DUCA, M. G.**
LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS
IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP
TO ONE YEAR A65-11642
- HANDLING OF NUTRITION-WASTE COMPLEX IN MANNED
SPACE EXPLORATION N65-18567
- DELAHAYE, R. P.**
SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC
IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE
FLIGHTS A65-12081
- PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED
BY EJECTION A65-80876
- STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY
FROM 1951-1963 A65-80918
- RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS A65-80919
- BACKACHE IN AIRPLANE AND HELICOPTER FLYING
PERSONNEL RESULTING FROM ACCIDENTS, INCREASING
AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY
- DELAND, E.**
PHYSIOLOGICAL FLUID AND ELECTROLYTE DISTRIBUTION
FOR SELECTED BODY COMPARTMENTS OF YOUNG HUMAN
MALE - MATHEMATICAL MODEL
RM-4347-PR N65-23037
- DELAQUERRIERE-RICHARDSON, L.**
EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE
OF ALBINO GUINEA PIGS A65-81917
- DELESCLOSE, A.**
LABORATORY CONTROL OF FROZEN FOOD USED ONBOARD
FLIGHTS OF SABENA AIRLINES A65-81790
- DELONE, N. L.**
WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON
REPRODUCTION IN DROSOPHILA MELANOGASTER AND
HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA
A65-30691
- VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON
VARIATION IN NUMBER OF CELLS WITH CHROMOSOME
ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS
A65-35817
- DISTURBANCES IN MITOSIS IN MICROSPORES OF
TRADESCANTIA PALUDOSA DURING VARIOUS PHASES OF
FLIGHT OF VOSTOK V SPACECRAFT A65-80719
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS A65-81596
- MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS N65-13671
- DISTURBANCES OF MITOSIS IN MICROSPORES INDUCED BY
DIFFERENT FLIGHT LENGTHS ON VOSTOK V
NASA-TT-F-9627 N65-15163
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS N65-34942
- DEMANGE, J.**
SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED
BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES
OPERATED AT OVERPRESSURES TO COUNTERACT HIGH
ALTITUDE HYPOXIA A65-36366
- SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112
- PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS
OF PRESSURIZED SUITS A65-80120
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING
ANTI-G SUITS RELATED TO PULMONARY CAPILLARY
CIRCULATION A65-80872
- ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE
POSITION DURING EXPOSURE TO FORWARD ACCELERATION
A65-82153
- DEMBER, W. N.**
FORCED-CHOICE METHOD FOR USE IN BACKWARD-MASKING
STUDIES WITH DISC-RING PATTERN A65-81960
- DEMENT, W. C.**
MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO
OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT
IN SLEEP A65-81483
- DEMETRIU, J. A.**
GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS
NSL-65-23-1 N65-34281
- DEMINS, N. N.**
RADIATION EFFECT ON LIPID COMPLEXES AND ON LIPID

- METABOLISM IN CELL N65-23460
- DEMIN, YU. S.
L F VERTICAL VIBRATION AND X-RAY EFFECTS ON
FREQUENCY OF DERANGED MITOSIS IN MEDULLA OSSIMUM OF
MICE A65-13398
- COMBINED EFFECT OF VIBRATION AND IONIZING
RADIATION ON ANAPHASE IN MITOSIS OF BONE MARROW
CELLS IN MOUSE A65-80043
- COMBINED ACTION OF X-RAY RADIATION AND VIBRATION
ON BONE MARROW CELL MITOSIS OF MOUSE A65-80535
- EFFECT OF LOW-FREQUENCY VIBRATION AND X-RAYS ON
MITOSIS OF BONE MARROW CELLS IN MICE A65-80922
- COMBINED EFFECT OF LOW FREQUENCY VIBRATION AND
X-RAYS ON MAMMALIAN BONE MARROW CELLS N65-15446
- COMBINED EFFECT OF VERTICAL VIBRATION AND X-RAYS
ON NUCLEI OF BONE MARROW CELLS IN MAMMALS N65-31388
- DEMPSTER, W. T.
MECHANISMS OF SHOULDER MOVEMENT A65-80988
- DEMUS, H. G.
NOISE MEASUREMENTS ON SEVEN TYPES OF SPORTS
AIRCRAFT AND NOISE PROPHYLAXIS A65-81087
- DENISON, D.
WHOLE BODY PLETHYSMOGRAPHY
FPRC/MEMO-204 N65-12897
- DENISOV, V. G.
HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438
- BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS N65-16403
- DENISOVA, A. M.
ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING
INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON
BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
FTD-TT-65-388/1G2 N65-26142
- DENISYUK, P. S.
PRE-SPACE FLIGHT ASTRONAUT TRAINING IN RUSSIA
FTD-TT-64-398/1 N65-19028
- DENNER, B.
THRESHOLDS OF CRITICAL FUSION FREQUENCY
AND APPARENT MOTION AS AFFECTED BY CHANGES
IN FINGER-TAPPING RATE IN TIME A65-80248
- DENNIS, J. P.
VISUAL PERFORMANCE UNDER WHOLE-BODY VIBRATION A65-81226
- VISUAL PERFORMANCE AND EFFECT ON EYE UNDER
CONDITIONS OF VIBRATION OF HUMAN SUBJECT OR OF
VISUAL OBJECT A65-81887
- DENOLIN, H.
A SIMPLE WORK CAPACITY TEST - CT170, A CARDIAC
FUNCTION TEST A65-82356
- DENYES, A.
LIPOGENESIS OF COLD-EXPOSED AND HIBERNATING GOLDEN
HAMSTERS A65-81501
- COMPARISON OF BLOOD SERUM TOTAL LIPID LEVEL
DURING COLD EXPOSURE IN HIBERNATING AND
NON-HIBERNATING RODENTS A65-81707
- DENZEL, J. A.
THERMAL VAPORIZATION FOR WATER RECOVERY FROM URINE
A65-24457
- DEPASQUALE, N. P.
CARDIAC PERFORMANCE IN RELATION TO BLOOD VOLUME
A65-80207
- DERBENEVA, N. N.
RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- DEREVYANKO, YE. A.
QUALITATIVE EVALUATION OF FLIGHT FATIGUE N65-13672
- PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT
FLYING N65-13673
- FLIGHT CONDITION SIMULATION FOR PRECISION
TRAINING OF PILOTS N65-24863
- DEROGATIS, L.
SENSORY DEPRIVATION EFFECT ON VISUAL RECOGNITION
THRESHOLDS A65-81933
- DERR, V. E.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- DERVIZ, G. B.
OXIDATION METABOLISM DISTURBANCE DISTINCT FROM
HYPOXIA N65-17843
- DERY, D. W.
EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND
GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN
PHYSIOLOGICAL ADAPTION N65-14457
- NAEC-ACEL-498
- PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT
UNDER SPACE AND TIME LIMITATIONS N65-21059
- NAEC-ACEL-527
- DESBORDES, P.
OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108
- DESMEDT, J. E.
RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD
AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL
CORTEX A65-80734
- DESOLE, C.
EYE NYSTAGMUS ELICITED BY STIMULATION OF
NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT
A65-80944
- DESPLATS
AEROMEDICAL EVACUATION, ORGANIZATION, PROBLEMS,
AND CURRENT DOCTRINE A65-80744
- DETABEL, M. H.
SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE N65-19352
- FR-65-10-30
- DETRICK, W. R.
POSTURE, TOWER TRAINING, AND AGE OF FLYING
PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF
SPINE DURING EJECTION A65-82125
- SURVIVAL PROBLEMS FOLLOWING AIRCRAFT ACCIDENTS
N65-29758
- DEUTSCH, S.
PSEUDO-RANDOM DOT SCAN TELEVISION SYSTEMS
AD-463037 N65-31833
- DEWSON, J. H., III
MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO
OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT
IN SLEEP A65-81483
- DEY, M. K.
KNOWLEDGE OF RESULTS IN TIME ESTIMATING TASK
A65-81319
- DEYOUNG, C. A.
PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
FUSION A65-82260

- DI MATTIA, A. L.
COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS
CLD-1720 N65-19423
- DI AKONOV, V. L.
SIMPLE MICROMANIPULATOR FOR INSERTION OF
ELECTRODES INTO BRAIN OF EXPERIMENTAL ANIMALS
A65-81279
- DI AKONOVA, I. N.
STUDY OF SUBCORTICAL POTENTIALS IN HUMAN PATIENTS
WITH IMPLANTED ELECTRODES A65-82246
- DIAMOND, P.
AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND
UDMH COMPONENTS OF TITAN II EXHAUST GASES AND
PERSONNEL SAFETY A65-82239
- DIANOV, A. G.
HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS N65-13675
- DIASIO, R. B.
EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY
SIZE IN RATS A65-81429
- DICHARRY, M.
CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY
TO CARBON DIOXIDE IN MAN A65-81903
- DICKENS, F.
OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM
A65-80355
- DISISHEIM, J. C.
MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS -
INTERPRETATION AND MODIFICATION ACCORDING TO AGE
AND TRAINING A65-80695
- DIEHM, D. F.
PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE,
SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626
- DIEMER, K.
INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT
IN CHRONIC ANOXIA A65-80998
- DIEROFF, H.-G.
HEARING LOSS AND AUDITORY FATIGUE IN INDUSTRIAL
WORKERS EXPOSED TO DIFFERENT TYPES OF NOISE-CAUSES
AND PROGRESS A65-81678
- DIETLEIN, L. F.
PHYSIOLOGICAL REACTIONS TO PROLONGED
WEIGHTLESSNESS, EXAMINING PROJECT MERCURY
OBSERVATIONS A65-12544
- DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY N65-28776
- EVALUATION OF GENERAL PHYSICAL CONDITION OF
GEMINI IV FLIGHT CREW WITH INCREASING TIME
UNDER SPACE FLIGHT CONDITIONS - RESPONSE OF
CARDIOVASCULAR SYSTEM TO CALIBRATED WORKLOAD
N65-36104
- CORRELATION OF ELECTRIC AND MECHANICAL
ACTIVITY OF CARDIAC CYCLE USING ELECTRO- AND
PHONOCARDIOGRAPHIC DATA FROM GEMINI IV CREW
MEMBERS N65-36105
- DIGGORY, J. C.
MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092
- DIGIOVANNI, C.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS
A65-81054
- DILL, D. B.
HUMAN NET OXYGEN COST IN HORIZONTAL AND GRADE
WALKING AND RUNNING ON TREADMILL
A65-80272
- DILLE, J. R.
SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR
TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY
OCCUPATIONAL EXPERIENCE A65-82122
- DILLE, S. R.
CONVULSIONS IN PILOT FOLLOWING DRUG WITHDRAWAL
A65-80387
- DILLON, R. F.
EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF
RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT
ETI-64-1 N65-12090
- DILLOLO, V.
GRADED CONTRAST EFFECTS IN JUDGMENT OF LIFTED
WEIGHTS A65-81986
- DIMANTS, A.
OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022
- DIMMICK, R. L.
VIABILITY OF ORGANISMS UNDER CONTROLLED
ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO
NATURAL CONDITIONS N65-23998
- DIMOND, S. J.
TIME ESTIMATION - PHYSIOLOGICAL AND ANATOMICAL
BASES A65-80053
- STORAGE OF TIME INFORMATION IN STUDY OF REACTION
TIME TO PERIODIC STIMULI IMPAIRED BY SIMULTANEOUS
PERFORMANCE OF SECOND TASK A65-82341
- DINES, J. H.
INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS A65-82092
- DINMAN, B. D.
HEPATOTOXICITY OF RAT FROM HYDRAZINE AND
1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON
TETRACHLORIDE A65-81529
- DINNERSTEIN, A. J.
INTERMODAL DIFFERENCES IN PERCEPTUAL
DELAY AND SPEED OF READING AND TAPPING
A65-80259
- DIRINGSHOFFEN, H. V.
BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN
LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT
A65-21025
- DIRKS, D. D.
SHIFTS IN AIR-CONDUCTION THRESHOLDS IN HUMANS
PRODUCED BY PULSED AND CONTINUOUS CONTRALATERAL
MASKING A65-81074
- DIRMHIRN, I.
ELECTROMAGNETIC RADIATION AND LIFE PROCESSES
A65-81394
- DISKO, N. A.
X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF
BLOOD A65-24296
- DISTEFANO, V.
ASPECTS OF PHARMACOLOGY OF VARIOUS RADIOPROTECTANT
DRUGS A65-80168
- DITTMER, D. S.
BIOLOGY AND MEDICINE REFERENCE INFORMATION AND
DATA HANDBOOK
AMRL-TR-64-100 N65-15790
- DITTRICH, F.
STATISTICAL STUDY OF HEARING LOSS WITH AGE AND
MATHEMATICAL FORMULA DESCRIBING VARIATION IN

- AUDITORY SENSITIVITY A65-81221 A65-25098
- DIXON, J. R.
CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE A65-81872
- DIXON, N. F.
GUESSING HABITS AS FUNCTION OF SUBLIMINAL
STIMULATION A65-81359
- DJUPESLAND, G.
MIDDLE EAR MUSCLE REFLEXES ELICITED BY ACOUSTIC
AND NONACOUSTIC STIMULATION A65-80036
- DLUSSKAYA, I. G.
DYNAMICS OF CORTICOSTEROID EXCRETION BY FLYING
PERSONNEL FOLLOWING ACTIVITY INVOLVING STRESS N65-13641
- EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS N65-13676
- DMITRIEV, V. D.
RECOVERY OF SOMATIC AND VEGETATIVE FUNCTIONS LOST
AFTER EXPOSURE OF CENTRAL NERVOUS SYSTEM TO
IONIZING RADIATION AND EFFECT OF SODIUM BROMIDE
AND AMYTAL A65-80649
- DMITRIEVA, N. G.
USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF
THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST
RADIATION DAMAGE TO TISSUE CELLS A65-80542
- DMITRIEVA, T. M.
EFFECT OF AREA STIMULATED AND DURATION OF THERMAL
STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY
NEURON FUNCTION A65-80718
- DMITRIYEV, A. S.
VESTIBULAR INFLUENCES ON SMOOTH MUSCLES OF SMALL
INTESTINE AND BLOOD VESSELS AFTER TRANSECTION OF
AUTONOMIC NERVES AND SPINAL CORD N65-13677
- DMITRIYEV, D.
HUMAN BEHAVIOR IN SPACE VEHICLE
JPRS-27880 N65-12875
- DMITRIYEV, M. V.
PHYSIOLOGICAL EFFECT OF CHILLING ON BODY
THERMOREGULATORY MECHANISM A65-80544
- CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457
- DOAN, A.
ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR
FUNCTION TEST A65-80556
- DOAN, A. E.
MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557
- DOBROBRAYOV, S. N.
CUTANEOUS PERCEPTION IN HUMAN SUBJECTS OF COLOR
AND PATTERNS BY PHOTIC STIMULATION A65-80797
- DOBROBRAYOVA, I. S.
CORRELATION ANALYSIS OF CHANGES IN HUMAN
ELECTROENCEPHALOGRAPH DURING DEVELOPMENT OF
RHYTHMIC MOTOR STEREOTYPY A65-82206
- DOBROV, G. M.
PROGNOSIS FOR DEVELOPMENT OF SCIENCE, ORGANIZATION
AND LOCALIZATION OF BRAIN FUNCTION, AND TOTALITY
IN LIGHT OF CYBERNETICS - PHILOSOPHICAL PROBLEMS
IN SCIENCE
JPRS-28029 N65-13509
- DOBROV, N. N.
BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT N65-13632
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
VOSTOK SPACECRAFT N65-13657
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE
AND SPACE RADIATION HAZARDS
JPRS-29656 N65-21804
- DOBSON, K. G.
NEW FORMS OF INSTRUMENTATION AND PRESENTATION OF
INFORMATION AIRCRAFT OPERATOR PERFORMANCE A65-81213
- DOBSON, T. L.
INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND
OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING
OF CHIMPANZEE - AEROSPACE MEDICINE N65-36772
- DODD, H. C.
ABSORPTION OF CARBON TETRACHLORIDE,
TRICHLOROETHYLENE, TETRACHLOROETHYLENE, METHYL
CHLORIDE, AND TRICHLOROETHANE THROUGH HUMAN SKIN
ANALYZED BY INFRARED SPECTROSCOPY A65-80219
- DODGE, C.
EFFECT OF MICROWAVES ON ANIMAL AND HUMAN NERVOUS
SYSTEMS N65-18886
- MICROWAVE IRRADIATION EFFECT ON FUNCTIONAL
CONDITION OF NERVES N65-18889
- DOERING, E. J.
WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326
- DOESSCHATE, J. T.
STEADY STATE RESPONSE OF PUPIL TO RETINAL
ILLUMINATION IN OBSERVER LACKING FUNCTIONING RODS
A65-35587
- DOHLER, G.
OXYGEN LACK EFFECT ON INDUCTIVE PHASE
OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION
IN CHLORELLA VULGARIS A65-80317
- DOHLMAN, G. F.
CELLULAR SECRETION AND ABSORPTION PROCESS OF
ENDOLYMPH IN VESTIBULAR APPARATUS OF PIGEON A65-82172
- DOLABCHYAN, Z. L.
DATA SYNTHESIS OF ELECTROCARDIOLOGICAL METHODS
NASA-TT-F-9459 N65-33951
- DOLE, S. H.
ULTIMATE GOALS FOR MANNED SPACE EXPLORATION
A65-81638
- ECOLOGICAL COMPLEX IN EXTRATERRESTRIAL BASE
ENVIRONMENT - HYDROPONICS, PHYSIOCHEMICAL, AND
ALGAE SYSTEMS
P-3009 N65-16517
- DOLEZAL, V.
RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION A65-81798

- DOLIN, A. O.**
DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY
PHOTIC STIMULATION BY STUDY OF
ELECTROENCEPHALOGRAMS A65-81454
- DOLINA, S. A.**
EFFECT OF DIFFERENT DEGREES OF HYPOXIA ON
SENSITIVITY TO EPILEPTOGENIC AGENT AND ON MOTOR
UNIT FUNCTION OF BRAIN IN RATS A65-81877
- INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN
RESPIRATORY FORMATIONS OF BRAIN N65-17766
- DOLKAS, C. B.**
SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION
EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY
NASA-TN-D-2710 N65-18214
- DOLL, E.**
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY A65-80451
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK A65-80452
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS A65-80453
- DOLLAR, A. M.**
PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA
71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS
AND LIGHT A65-81976
- DOLLERY, C. T.**
BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW
RELATIONS OF WHOLE DOG LUNG A65-80664
- DOLLFUS, A.**
OBSERVATIONS OF WATER VAPOR ON MARS AND VENUS FROM
BALLOONS AND MOUNTAINS A65-80891
- DOMAGAKA, S.**
SMALL DOSES OF ETHANOL AND EFFECT ON DISTANCE
PERCEPTION IN HUMANS A65-80405
- DOMANSKI, T. J.**
BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF
THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING
GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC
A65-29067
- DOMBROVSKAYA, YU. F.**
SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762
- DOMBROVSKIY, A. N.**
SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762
- DOMINGUEZ, A. M.**
HYDRAZINE AND DERIVATIONS AFFECTING CARBON DIOXIDE
RESPIRATORY PATTERN OF VARIOUS METABOLIC
SUBSTRATES IN RATS A65-81131
- NONESTERIFIED FATTY ACID FLUX AND TRIGLYCERIDE
SECRETION IN HYDRAZINE-INDUCED FATTY LIVER IN RATS
A65-82088
- DOMONTOVICH, YE. N.**
DECOMPENSATION AND COMPENSATION OF RESPIRATORY
SYSTEM IN HUMAN HYPOXIA N65-17780
- DOMSHLAK, M. P.**
TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW
MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524
- DONALD, D. E.**
TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
- DONKERLO, TH. W.**
HYPOXIC HYPOXEMIA EFFECT ON GLUTAMIC-OXALOACETIC-
TRANSAMINASE AND LACTIC DEHYDROGENASE ACTIVITY OF
MYOCARDIUM OF RAT A65-80154
- DONNADIEU, A.**
BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW
FREQUENCY VIBRATIONS A65-81364
- DONOGHUE, J.**
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- DOOLEY, R. P.**
TRANSFER OF TRAINING BETWEEN QUICKENED AND
UNQUICKENED DISPLAYS. A65-82329
- DOOLITTLE, T. L.**
DEVICE FOR MEASURING SIMULTANEOUS FLEXION STRENGTH
OF BOTH WRISTS A65-82335
- DORE, E.**
CHROMATOGRAPHIC STUDY OF DEOXYRIBONUCLEIC AND
RIBONUCLEIC ACID IN BACILLUS
ISS-64/48 N65-23306
- INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEAROTHERMOPHILUS
ISS-64/47 N65-29209
- DORDELLO, U.**
CRITICAL FLICKER FUSION FREQUENCY AND DARK
ADAPTATION AFTER SENSORY DEPRIVATION A65-80085
- DORFMAN, D. D.**
PATTERN PREFERENCE AS FUNCTION OF PATTERN
INFORMATION A65-82287
- DORNBUSH, R. L.**
RIGHT-LEFT RETINAL DIFFERENCES IN TACHISTOSCOPIC
IDENTIFICATION RESOLVED AS DUE TO READING HABIT
A65-80569
- DORONIN, G. P.**
WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN
RATS IN LOW PRESSURE CHAMBER A65-81671
- USE OF CHAIN CONDITIONED MOTOR REFLEX METHODS ON
ANIMALS FOR STUDYING EFFECTS OF LONG EXPOSURE TO
SIMULATED SPACE CABIN ATMOSPHERE N65-13678
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- DOST, F. N.**
TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND
EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112 N65-17909
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND
LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151
- EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN
AMINES AND AMINO ACIDS
AMRL-TR-64-113 N65-24417
- DOUGHERTY, D. J.**
FULL IFR FLIGHT DISPLAY SYSTEM FOR ROTARY WING OR
VERTICAL LIFT AIRCRAFT A65-31823
- PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY
INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD
FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL
VISUAL DISPLAY
D228-421-019 N65-19440
- ACCURACY OF ALTITUDE AND GROUND SPEED
DETERMINATIONS USING CONTACT ANALOG SIMULATOR
DISPLAY SYSTEM
D228-421-015 N65-30934
- DOUGHERTY, J. D.**
EPIDEMIOLOGICAL APPROACH TO LAKEFRONT AIRPORT

- ACCIDENT EVALUATION CONSIDERING SPATIAL DISORIENTATION, VISIBILITY, DARKNESS AND OTHER ENVIRONMENTAL FACTORS A65-26175
- INVESTIGATION OF POSSIBILITY OF RADAR INDUCED CATARACT A65-81073
- AIRPORT ACCIDENT EVALUATION OFFERS CHALLENGE TO COMMUNITY PHYSICIAN A65-81298
- SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY OCCUPATIONAL EXPERIENCE A65-82122
- DOUGLASS, C. C.
SPACE RADIATION SHIELDING CODE FOR SPACECRAFT GEOMETRY N65-34634
- DOULL, J.
INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON RADIATION LETHALITY IN MICE N65-19214
DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION PROTECTION CHEMICAL COMPOUNDS FOR MICE N65-19215
HYPEROXIA AND HYPOXIA EFFECT ON RADIATION LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS, AND RABBITS N65-19217
- DOW, R. S.
OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG FOLLOWING CALORIC STIMULATION OF LABYRINTH A65-81313
- DOWD, P. J.
MOTION SICKNESS RESISTANCE INDUCED BY REPEATED CORIOLIS STIMULATION AS INDICATED BY AUTONOMIC REACTION DATA AND ELECTRONYSTAGMOGRAMS A65-24080
PREVENTION OF MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION A65-81067
RESISTANCE INDUCTION TO MOTION SICKNESS BY REPEATED EXPOSURE TO CORIOLIS STIMULATION SAM-TR-64-87 N65-22076
- DOWNES, W. L.
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC ACID A65-82177
- DOXTADER, D.
NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS ATTRIBUTED TO VISUAL ILLUSION INVOLVING OVERESTIMATION OF ALTITUDE A65-30100
- DOXTATER, L.
TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL DELAY AND LEARNING - HUMAN PERFORMANCE AMRL-TR-64-104 N65-19149
- DOYLE, B. C.
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE A65-81249
SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER WATER ACCIDENTS PERTAINING TO CREW TRAINING AND EQUIPMENT A65-81542
- DOYLE, M.
RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS, ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS, BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES, SYNTHESIS OF TRACERS, AND INSTRUMENTATION ACRH-22 N65-15627
- DOZORTSEVA, R. L.
EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE TREE /EVOKYMUS EUROPAEA/ CARRIED ON BOARD OF SPACECRAFT VOSTOK-5 A65-81999
- DRAKE, G. L., JR.
DEVELOPMENT STATUS OF REGENERABLE LIFE SUPPORT SYSTEM COMPATIBLE WITH ZERO-G, EMPLOYING PHYSICAL CHEMICAL PROCESSES FOR SUSTAINING CREW DURING SPACE FLIGHT SIMULATION ASME PAPER 65-AV-25 A65-24391
INTEGRATION AND MECHANICS OF WASTE COLLECTION AND PROCESSES FOR SPACECRAFT LIFE SUPPORT SYSTEM N65-18589
- DRAPKIN, P. E.
BICMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION, NOTING EKG AND EEG APPLICATION A65-24203
- DRASIL, V.
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION N65-23461
- DRAZIN, D. H.
EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL STIMULATION A65-80191
- DREHER, J. J.
INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS LR-18525 N65-23152
- DRENICK, E. J.
NITROGEN AND WEIGHT LOSSES DURING STARVATION IN OBESITY A65-80989
- DRETTNER, B.
AUDITORY THRESHOLD IN RECRUITS BEFORE AND AFTER FIRING WEAPONS AS RELATED TO USE OF EAR PROTECTORS A65-80172
- DRISCOLL, R. W.
LIMITATIONS ON HUMAN ADAPTABILITY TO LONG TERM SPACE FLIGHTS AND APPLICABILITY OF ARTIFICIAL ORGANS, DRUGS, AND HYPOTHERMIA DURING FLIGHTS NASA-CR-60273 N65-15187
- DRISSEL, W. E.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING UNITS NASA-CR-198 N65-20401
- DRIVER, A. F. M.
SENSITIVITY TO HEAT AND COLD OF SUMMER AND WINTER PREFERRERS REFLECTED THROUGH BLOOD PRESSURE AND SKIN TEMPERATURE DIFFERENCES A65-80350
- DROGICHINA, E. A.
CHANGES IN BIOELECTRIC CEREBRAL ACTIVITY AND CERTAIN VEGETATIVE VASCULAR REACTIONS RESULTING FROM ACTION OF NOISE A65-81191
CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF DIFFERENT RADIO-FREQUENCY BANDS A65-81371
EFFECT OF VARIOUS RADIO FREQUENCIES ON CLINICAL SYNDROMES - MEDICINE JPRS-29694 N65-21573
- DU BOIS, J.
INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS AND INERTIA MOMENTS OF HUMAN BODY NA-64-527 N65-15788
- DU BOIS, K. P.
ANIMAL STUDIES ON RADIATION EFFECTS, IRRADIATION EXPOSURE, AND USE OF THERAPEUTIC COMPOUNDS AS PROTECTIVE AGENTS AGAINST INJURY AD-607952 N65-11098
RADIATION EFFECT ON BIOCHEMISTRY OF MAMMALIAN TISSUE, RADIATION PROTECTION BY CHEMICAL COMPOUNDS, AND GAMMA IRRADIATION INFLUENCE ON LIFESPAN AD-610947 N65-19211
EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN LIVERS OF MICE N65-19212
INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN

- RAT LIVERS N65-19213
- RADIATION INDUCED CHANGES IN ADENOSINE
TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO
CHRONIC GAMMA IRRADIATION AND INFLUENCE OF
VARIOUS FACTORS ON ACUTE RADIATION INJURY N65-19218
- DUBENKO, R. G.
ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF
CESIUM 134 FROM ANIMALS N65-11249
JPRS-27544
- DUBININ, N. P.
FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING
MITOSIS, IN TISSUE CULTURES A65-80540
- GENETIC EFFECT OF LOW RADIATION DOSES AND PROBLEMS
OF CHEMICAL RADIOPROTECTION A65-80656
- MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS A65-80657
- EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON
CHROMOSOMES OF PLANT SEEDS A65-81601
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION
BETWEEN PRIMARY EFFECTS OF RADIATION AND
CHEMICAL MUTAGENS N65-25612
- MOLECULAR GENETICS AND RADIATION EFFECTS ON
HEREDITY N65-29131
FTD-TT-63-1214/1&2
- DUBININA, L. G.
GENETIC EFFECT OF LOW RADIATION DOSES AND PROBLEMS
OF CHEMICAL RADIOPROTECTION A65-80656
- DUBROVSKY, B.
CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930
- DUCHESNE, J.
MOLECULAR EVOLUTION AND ORIGIN OF LIFE - REVIEW
A65-81260
- DUCOTE, B. A.
COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL
ANIMALS AND IN MAN A65-81052
- UDKIN, V. YE.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS A65-29943
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- DUDLEY, D. L.
PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION
IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP
A65-80401
- DUFFAUT, M.
PSYCHIATRIC SELECTION OF FLYING PERSONNEL
A65-81369
- DUFFY, E. J.
RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION A65-80883
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION A65-82358
- DUFFY, J. C.
FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS
DETERMINED BY POSTFLIGHT URINE ANALYSIS A65-18430
- FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF
PILOTS A65-80534
- POSTFLIGHT URINARY DETERMINATIONS USED FOR
EVALUATING FLIGHT STRESS IN PILOTS IN RELATION
TO FLYING PROFICIENCY N65-31787
SAM-TR-64-88
- DUFFY, W. T.
CULTURING TECHNIQUES FOR DETECTION OF VIABLE
MICROORGANISM INOCULATED INTO SOLID MATERIALS
NASA-CR-62980 N65-24899
- DUFRESNE, A.
EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- DUFRESNE, E. R.
EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES A65-80081
- DUGAS, D. J.
PROBABILITY OF VISUAL DETECTION OF RECONNAISSANCE
AIRCRAFT BY GROUND OBSERVERS N65-35947
RM-4562-PR
- DUKE, M.
ELECTROCARDIOGRAM QRS COMPLEX ELECTRICAL AXIS AS
AFFECTED BY POSTURE AND GASTRIC DILATION A65-82101
- DUNCO, W. D.
NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846
- DUNLOP, C. W.
AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR
COLLICULUS OF CAT DURING ACOUSTIC HABITUATION
A65-80197
- EFFECT OF ATTENTION ON EVOKED RESPONSES IN
CLASSICAL AUDITORY PATHWAY IN CATS A65-81706
- DUNN, B. E.
PERCEIVED SLANT AS FUNCTION OF RELATIVE HEIGHT.
A65-81641
- DEPTH PERCEPTION INFLUENCED BY RELATIVE HEIGHT ON
PICTURE PLANE A65-82338
- DUNN, C. G.
MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION
BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS
NASA-CR-63198 N65-25401
- DUNN, J. E., II
RAPID DECOMPRESSION OF ANIMALS TO NEAR VACUUM,
STUDYING TIME OF CONSCIOUSNESS, COLLAPSE AND
SURVIVAL A65-32630
- PATHOLOGICAL EFFECTS OF RAPID DECOMPRESSION IN
EXPERIMENTAL DOGS, EXAMINING TISSUES AND LUNG
DAMAGE A65-32631
- UNCONSCIOUS RECOVERY AND SURVIVAL OF DOG DURING
RAPID DECOMPRESSION AS AFFECTED BY BREATHING HIGH
CONCENTRATIONS OF OXYGEN A65-81730
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION A65-81731
- INCREASE OF ARTERIAL OXYGEN TENSION IN DOGS AT
HIGH ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
A65-81901
- ARTERIAL OXYGEN TENSION IN DOGS AT SIMULATED
ALTITUDE BY CARBONIC ANHYDRASE INHIBITOR
AD-451065 N65-11421
- DUNN, J. P.
CREW WORK STATION SIMULATORS DESIGN AND EVALUATION
A65-10700
- DUNSTONE, J. J.
VISUAL OBSERVATION AND FACTOR ANALYSIS OF
OBJECTIVE ELECTRICAL VESTIBULOGrams A65-80261
- DURAND, T. S.
THEORY AND SIMULATION OF PILOTTED LONGITUDINAL

- CONTROL IN CARRIER APPROACH
STI-TR-130-1 N65-26994
- DURANDINA, A. I.
TREATMENT OF SCHIZOPHRENIA PATIENTS BY RESIDENCE
IN HIGH MOUNTAINS N65-17839
- DURFEY, J. Q.
POST MORTEM LUNG TISSUE CHANGES IN MICE FROM
OXYGEN TOXICITY AT ATMOSPHERIC PRESSURE A65-16563
- DURLACH, N. I.
VARIATIONS IN BINAURAL-MASKED THRESHOLD OF 500-CPS
TONE MASKED BY RANDOM NOISE AS FUNCTION OF
SIMULTANEOUS SHIFTS IN INTERAURAL AMPLITUDE RATIO
AND TIME DELAY OF TONE A65-29975
- TIME INTENSITY RELATIONS IN BINAURAL UNMASKING-
INTERAURAL AMPLITUDE, THEORETICAL PREDICTIONS AND
LATERALIZATION A65-81741
- DURYMANOVA, S. A.
CHEMICAL PROTECTION OF CHLORELLA FROM ULTRAVIOLET
RADIATION A65-80659
- DUSHANIN, S. A.
DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY N65-25672
- DUZHENKOVA, N. A.
IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- DVORAK, J.
RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION A65-81798
- OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- DVORKIN, V. IA.
DEGREE OF PHOSPHATE GROUP TURNOVER IN PHOSPHOLIPID
FRACTIONS OF RAT BRAIN TISSUE IN HYPOXIA AT
SIMULATED ALTITUDE A65-80928
- OYE, D. L.
ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM
SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS
A65-13764
- RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY
FRACTIONAL CELL LETHALITY APPROACH N65-34603
- DYER, D. L.
GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE SAM-TDR-64-63 N65-16880
- DYSON, V. H.
CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE
FR-65-11-44 N65-32223
- DYZ, S.
EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS
IN ISOTOPE LABORATORIES IN POLAND CLOR-34 N65-22501
- DZENDOLEY, E.
VISUAL OBSERVATION AND FACTOR ANALYSIS OF
OBJECTIVE ELECTRICAL VESTIBULOGRAMS A65-80261
- CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE
A65-81011
- DZHANGAROV, T. T.
SELECTION OF INDIVIDUALS FOR FLIGHT TRAINING
N65-13674
- DZHARAKIAN, T. K.
PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION A65-81767
- DZHAYLOBAYEV, A. D.
OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT N65-17834
- DZHURAEVA, L. A.
RESPIRATORY ARRHYTHMIA AND RESPIRATORY
ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND
HYPOXIA IN DOGS A65-81277
- DZIUK, Z.
USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW A65-80319
- E**
- EARLE, K. M.
FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE A65-81099
- EASON, R. G.
PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256
- ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL A65-80260
- VIGILANCE TASK PERFORMANCE AND INDICES OF
PHYSIOLOGICAL AROUSAL A65-80560
- EASTIS, J. F.
NUCLEAR FAST RED METHOD FOR MEASURING CALCIUM IN
SERUM, PAROTID FLUID, AND URINE DURING
WEIGHTLESSNESS A65-82359
- EASTY, D. L.
INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA A65-81308
- EAVES, G.
PRINCIPLES OF RADIATION PROTECTION A65-81047
- EBBERS, R. W.
INVESTIGATION OF PRESENCE OR ABSENCE OF VISION
DURING INVOLUNTARY SACCADIC EYE MOVEMENTS
UNDER CONDITIONS OF NORMAL STEADY FIXATION
AD-617409 N65-33012
- EBERT, M. J.
IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- ECK, R. V.
COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC
EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES A65-30593
- ECKELKAMP, V. J.
ELECTRICAL MODEL OF HUMAN HEART, USING FOUR
CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE
POTENTIALS A65-10735
- BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615
- ECKERMAN, P.
OXYGEN COST OF BREATHING DURING RESPIRATION
AGAINST PRESSURE A65-80327
- ECKERT, P.
FLUID METABOLISM AND CIRCULATION DURING AND AFTER
WEIGHTLESSNESS A65-26744
- ECKSTRAND, G. A.
INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING
UPON TRANSFER FUNCTION

- AMRL-TDR-64-81 N65-10269
TRAINING REQUIREMENTS, ENVIRONMENT, RESULTS, AND
RESEARCH - OVERVIEW OF CURRENT STATUS OF
TRAINING TECHNOLOGY - LEARNING
AMRL-TR-64-86 N65-13997
- EDDY, N. B.
RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557
- EDELWEJN, Z.
INFLUENCE OF HIGH TEMPERATURE ON
BIOELECTRIC ACTIVITY OF MUSCLE IN RABBIT
A65-80234
RELATIONSHIP BETWEEN INTRAMUSCULAR TEMPERATURE AND
SINGLE AND POLYPHASIC POTENTIAL OF STRIATED MUSCLE
IN RABBITS A65-80832
- EDMAN, M.
NUTRITIONAL REQUIREMENTS IN HOT AND COLD
ENVIRONMENTS AS RELATED TO AGE A65-80500
- EDMONDS, P.
ISOLATION OF MICROORGANISMS, CAPABLE OF UTILIZING
JP-4 JET-FUEL AS SOLE CARBON SOURCE, FROM FUEL
STORAGE TANKS A65-82096
- EDMUNDS, A. B.
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- EDWARDS, B. F.
EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674
- EDWARDS, D. K., III
METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED
SUITS EXERCISING IN HIGH ALTITUDE CHAMBER
A65-81965
- EDWARDS, E.
HAND MOTION STUDIED WITH RESPECT OF ACCELERATION
AND VELOCITY OF LIMB A65-81651
- EDWARDS, G. W.
PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD
CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668
- EDWARDS, R. G.
MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION
TO RANDOM VIBRATION
AMRL-TR-64-91 N65-13999
- EDWARDS, W.
SEEKING INFORMATION TO REDUCE RISK OF DECISIONS
A65-81578
- EDWARDS, W. E.
MUSCULAR ANATOMY AND STRENGTH COMPARED IN
CHIMPANZEE AND HUMAN
ARL-TR-65-4 N65-26129
MONKEY, APE, AND HUMAN MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE - MUSCULAR-
SKELETAL ANATOMY OF THORAX AND BRACHIUM OF ADULT
FEMALE CHIMPANZEE
ARL-TR-65-3 N65-27544
MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- EERNST, J. T.
PILOTS DYNAMIC VISUAL ACUITY RELATION TO FLYING
SKILLS SUCH AS SHOOTING AND INSTRUMENT, NIGHT AND
FORMATION FLYING A65-26420
DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO
THEIR FLYING PERFORMANCE A65-81117
- EFIMEV, A.
EXTRAVEHICULAR ACTIVITY AND SPACE SUIT DESIGN OF
SOVIET SPACE FLIGHT IN VOSKHOD II A65-81704
- EFROM, R.
ARTIFICIAL SYNTHESIS OF EVOKED CORTICAL RESPONSES
TO LIGHT FLASH A65-80643
- EGLE, K.
OXYGEN LACK EFFECT ON INDUCTIVE PHASE
OF PHOTOSYNTHETIC CARBON DIOXIDE ABSORPTION
IN CHLORELLA VULGARIS A65-80317
- EGOROV, A. D.
MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087
DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198
- EGOROV, B.
MEDICAL SUPERVISION OF CREW MEMBERS AND BIOLOGICAL
ENVIRONMENT DURING SOVIET THREE-MAN SPACE FLIGHT
IN VOSKHOD I SPACECRAFT A65-80983
- EGSTROM, G. H.
ANABOLIC STEROID EFFECT ON PHYSICAL PERFORMANCE OF
YOUNG MEN A65-81919
- EHLIG, C. F.
WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326
- EHLING, U.
PROTECTIVE EFFECT OF CYSTEINE AND S,
2-AMINO-ETHYLISOTHIONIUMBROMIDE-HYDROBROMIDE ON
RADIATION-INDUCED LETHAL MUTATION IN MOUSE
A65-80845
- EHRlich, R.
RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN
ENVIRONMENT INVESTIGATED, USING CULTURE
COLLECTIONS AND SOIL SAMPLES A65-30676
- EICH, R. H.
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS A65-81144
- EIJI HASE
SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN
CONNECTION WITH CHLOROPLAST FORMATION IN GREEN
ALGA, CHLORELLA PROTOTHECOIDES A65-80937
EFFECT OF ACTINOMYCIN AND ROLE OF NUCLEIC ACIDS ON
GREENING OF GLUCOSE-BLEACHED AND ETIOLATED ALGAL
CELLS A65-80938
- EIJKNAN, E.
PSYCHOPHYSIOLOGICAL METHOD FOR DETECTING SCARCELY
DISCERNIBLE VISUAL AND AUDITORY NOISELESS SIGNALS
HAMPERED BY INTERNAL NOISE OF SENSORY SYSTEM
A65-28427
- EIK-NES, K. B.
BEDREST AND ISOMETRIC EXERCISES EFFECT ON
CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-
HYDROXYCORTICOSTEROIDS A65-26168
PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294
BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- EJSMONT, W.
PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH
TEMPERATURES IN MAN A65-80848
EFFECT OF HIGH TEMPERATURE ON UROPEPSIN CONTENT IN
MAN A65-80849
- EKBLOM, B.
INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS A65-80673

- EKIEL, J.**
MECHANOELECTRICAL AND BIOMECHANICAL PRINCIPLES OF
CONTROL OF HUMAN UPPER LIMB MUSCLES
A65-20495
- EKMAN, L.**
THYROID GLAND RESPONSE TO HYPOTHERMIA OF HEAT LOSS
CENTER IN HYPOTHALAMUS
A65-81769
- EL BATAWI, M.**
PHYSICAL WORK PERFORMANCE AS AFFECTED BY
ENVIRONMENTAL CONDITIONS
A65-80321
- ELAM, J. O.**
ARTIFICIAL RESPIRATION - REVIEW OF PHYSIOLOGY AND
TECHNIQUES
A65-82021
- ELASHOFF, R. M.**
PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
CATEGORIES
ORC-65-4
N65-26585
- ELCIC, S.**
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- ELEFTHERIOU, B. E.**
BOUND AND FREE CORTICOSTEROID IN PLASMA OF TWO
SUBSPECIES OF DEER MICE, PEROMYSCUS MANICULATUS,
AFTER EXPOSURE TO LOW AMBIENT TEMPERATURE
IDENTIFIED THROUGH CHROMATOGRAPHY
A65-80511
- ELENIUS, V.**
ELECTRORETINOGRAPHIC MEASUREMENTS IN DARK ADAPTED
HUMAN EYE
A65-80784
- ELEY, J. H., JR.**
PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING
DWARF MOUSE AND ILLUMINATED SUSPENSION OF
CHLORELLA ELLIPSOIDEA
A65-31005
- GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL,
AND PHOTOSYNTHETIC GAS EXCHANGER STUDY
SAM-TDR-64-52
N65-16879
- ELFNER, L. F.**
PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE,
SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626
- ELIAS, M. F.**
EFFECT OF VERTICAL SYMBOL RESOLUTION ON SPEED OF
IDENTIFICATION OF TELEVISION LETTERS AND NUMBERS
RADC-TR-65-239
N65-34571
- ELIASON, D. W.**
HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI
SPACECRAFT DURING TERMINATION OF RENDEZVOUS
MISSION
LMSC-6-62-64-13
N65-11016
- PILOT PERFORMANCE IN ORBITAL RENDEZVOUS TASK
USING DIFFERENT THRUST CONTROL SYSTEMS
LMSC-6-65-65-1
N65-20398
- ELITHORN, A.**
INTELLIGENCE, PERCEPTUAL INTEGRATION, AND MINOR
HEMISPHERE SYNDROME
A65-80807
- INDIVIDUAL HUMAN PATTERNS OF REACTION TIME
RESPONSES
A65-80862
- ELKIN, D. G.**
TIME PERCEPTION STUDIED BY ELABORATION OF
CONDITIONED REFLEX TO GIVEN TIME INTERVAL
A65-81951
- ELKIN, E. H.**
DISPLAY INTEGRATION LEVEL AND COMPENSATORY
TRACKING PERFORMANCE
A65-80565
- ELKINS, C. B., JR.**
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- ELLERBRUCH, V.**
BIOMEDICAL INSTRUMENTATION USING SQUEGGING
OSCILLATOR FOR LOW POWER DIGITAL TELEMETRY
A65-10741
- ELLIOTT, D. H.**
EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION
A65-82074
- ELLIOTT, L. L.**
PREMISSION CREW CONDITIONING AND FLIGHT
SIMULATION, DETERMINING EFFECT OF SECOBARBITAL
TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING
MISSION
A65-32636
- PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH
PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY
SECOBARBITAL AND D-AMPHETAMINE
A65-81734
- SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING
PERFORMANCE DURING SIMULATED TACTICAL AIR
MISSION
N65-18379
- ELLIOTT, W. G.**
TOOTHACHE PROVOKED BY LOWERED BAROMETRIC PRESSURE
DURING FLIGHT- CASE HISTORIES OF FLYING PERSONNEL
A65-81435
- EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR
VOLUME AND OXYGEN CONSUMPTION IN MAN
A65-82326
- ELLIS, G. E.**
DETECTOR CELL CONCEPT FOR SIGNAL RESPONSE
EVALUATION FOR CULTURABLE EARTH MICROORGANISMS
INCLUDING NUTRIENT AND ENVIRONMENTAL FACTORS
NASA-CR-62003
N65-22616
- ELLIS, J. P., JR.**
FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS
DETERMINED BY POSTFLIGHT URINE ANALYSIS
A65-18430
- PHYSIOLOGICAL EFFECTS OF FLYING, DISCUSSING
ENDOCRINE AND METABOLIC CHANGES DURING SIMULATED
FLIGHT
A65-32629
- FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF
PILOTS
A65-80534
- ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR
SIMULATED AIRCRAFT FLIGHT
A65-81729
- POSTFLIGHT URINARY DETERMINATIONS USED FOR
EVALUATING FLIGHT STRESS IN PILOTS IN RELATION
TO FLYING PROFICIENCY
SAM-TR-64-88
N65-31787
- ELPERN, B. S.**
SOUND TRANSMISSION IN HUMAN EAR AND
NON-OTOSCLEROTIC OSSICLE FIXATION
A65-82309
- EMELIONOV, M. D.**
OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN
SOVIET ASTRONAUTS DURING SPACE FLIGHT
A65-81199
- EMERSON, J. A.**
IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
COQ-1283-12
N65-19822
- EMERY, J. H.**
PERCEPTUAL WORK LOAD COMPARISON IN FLIGHT BY
INSTRUMENT FLIGHT RULES / IFR/ USING STANDARD
FLIGHT INSTRUMENTS AND CONTACT ANALOG VERTICAL
VISUAL DISPLAY
0228-421-019
N65-19440
- EMIRBEKOV, E. Z.**
AMMONIA-GLUTAMIC ACID-GLUTAMINE SYSTEM OF RAT
BRAIN IN COMBINED EFFECT OF HYPOTHERMIA AND
ELEVATED OXYGEN TENSION
A65-81362
- EMIRGIL, C.**
DETERMINANTS OF FORCED VITAL CAPACITY AND

- EXPIRATORY VOLUME AS RELATED TO AGE AND SEX
A65-80051
- EMRICH, R.
ROLE OF ANTHROPOLOGY IN COMMAND CONTROL SYSTEMS.
A65-82008
- ENACHESCU, M.
PSYCHIC CHARACTERISTICS OF FLYING PERSONNEL
STUDIED BY PSYCHOPHYSIOLOGICAL AND ELECTRO-
ENCEPHALOGRAPHIC TESTS
A65-10870
- ENDROCZI, E.
EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON
POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES
EVOKED BY PHYSICAL EXHAUSTION
A65-81923
- ENFIELD, S. A.
VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT
EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC
STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED
BIBLIOGRAPHY ON EJECTION-RELATED INJURIES
TI-65-041
N65-28352
- ENG, E.
HANDBOOK FOR PHYSICIANS FOR MANAGEMENT OF
DISASTERS INCLUDING AIRCRAFT ACCIDENTS
A65-81182
- ENGEL, G.
PLASMA FREE FATTY ACID CHANGES IN MAN FASTING
DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID
INGESTION
A65-82363
- ENGEL, R. W.
MINERAL AND VITAMIN REQUIREMENTS FOR NUTRITION ON
MANNED SPACE FLIGHTS
N65-18580
- ENGELBART, D. C.
FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL
TRAINING, AND USE OF CDC 160-A COMPUTER TO
TEACH PSYCHOMOTOR TASK
NAVTRADEVEN-1517-1
N65-31206
- ENGELBERG, M.
RELATIONSHIP OF PURE TONES TO SPEECH RECEPTION
THRESHOLD
A65-81240
- ENGLISH, S. N.
SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993
N65-29373
- ENGSTROEM, H.
CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF
CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE
AND FLUID SPACES
A65-25646
- EPPLER, W. G., JR.
SPACE VEHICLE MANUAL THREE-AXIS ATTITUDE CONTROL
USING VECTOR RETICLE OR CONTROL ACTION DISPLAY
A65-20953
- EPPLEY, R. W.
GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63
N65-16880
- STERILIZATION OF SPACE PROBES USING DRY HEAT
NASA-CR-60875
N65-17509
- EPSHTEYN, I. M.
IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND
EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE
OXYGEN TENSION
JPRS-30818
N65-27028
- EPSTEIN, S.
MANIFEST ANXIETY - FACTORIAL STUDY
A65-81562
- STEEPNESS OF APPROACH AND AVOIDANCE GRADIENTS IN
PARACHUTE JUMPING AS FUNCTION OF EXPERIENCE
A65-81616
- EPSTEIN, W.
PERCEPTUAL INVARIANCE IN KINETIC DEPTH EFFECT
A65-81663
- RELATIVE SIZE CUE EFFECT ON PERCEIVED RELATIVE
DISTANCE
A65-82262
- EROBRINK, W. L.
SMALL VISUAL ACUITY DEFECT IN RELATIONSHIP TO
COMPLETION OF FLIGHT TRAINING AND IN OPERATIONAL
FLYING
REPT.-2
N65-11096
- ERDMAN, W. J., II
CONTROLLED-CLIMATE CHAMBER USED TO DETERMINE
EFFECT OF VARYING CLIMATIC FACTORS ON DISEASES AND
ABNORMAL CONDITIONS
A65-80504
- EREMIN, A.
PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
PARABOLIC CURVE
A65-16618
- ORIENTATION AND ROTATION OF HUMAN BODY UNDER
WEIGHTLESS CONDITIONS IN FREE SPACE
A65-29680
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS
A65-80923
- CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT
A65-81554
- ERENETA, W. J.
SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK
COMPLEXITIES FOR OPERATIONAL CREWS
NASA-CR-146
N65-14449
- ERICKSON, R. A.
PERIPHERAL VISUAL ACUITY RELATION TO TIME REQUIRED
TO LOCATE TARGET IN STATIC STRUCTURED DISPLAY
A65-10538
- VISUAL SEARCH FOR TARGETS
NAVWEPS-8406
N65-12535
- VISUAL DETECTION OF GROUND TARGETS FROM AIRCRAFT
NOTS-TP-3645
N65-26145
- VISUAL SEARCH EXPERIMENTS - ACUITY, RESPONSE TIME,
AND NOISE PERSISTENCE - BIOTECHNOLOGY
NAVWEPS-8731
N65-34683
- ERIKSEN, C. W.
INHIBITION OF SIMPLE VISUAL REACTION TIME BY
SECOND STIMULUS - FAILURE TO REPLICATE RESULT
A65-80026
- SHORT-TERM MEMORY AND RETROACTIVE INTERFERENCE IN
VISUAL PERCEPTION
A65-80091
- RETINAL LOCATION OF INTERNAL PERCEPTUAL SYSTEM
NOISE AND REDUNDANCY IN SIMULTANEOUS INPUTS IN
FORM IDENTIFICATION
A65-81525
- SHORT-TERM, PERCEPTUAL-RECOGNITION MEMORY FOR
TACHISTOSCOPICALLY PRESENTED NONSENSE FORMS
A65-82056
- REINTERPRETATION OF ONE FORM OF BACKWARD AND
FORWARD MASKING IN VISUAL PERCEPTION
A65-82233
- ERNST, R. R.
COMPATIBILITY OF STERILIZATION AND CONTAMINATION
CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY,
EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL
PARTICLES UNDER PRESENT CLEAN ROOM AND WORK
STATION CONDITIONS
A65-35114
- ERNSTING, J.
TOXIC EFFECT IN RESPIRATORY TRACT AND NERVOUS
SYSTEM CAUSED BY BREATHING OXYGEN ENRICHED
ATMOSPHERE, DISCUSSING PULMONARY FUNCTION
A65-26745
- INFLUENCE OF INSPIRED ALVEOLAR NITROGEN
CONCENTRATION AND ENVIRONMENTAL PRESSURE UPON RATE
OF GAS ABSORPTION FROM CLOSED AREA OF LUNG IN DOG
A65-82121
- EROBRINK, W. L.
OCULAR MOTILITY PROBLEMS IN FLYING PERSONNEL

- RELATING TO SAFETY A65-80148 A65-22909
- EROFEEVA, V. N.**
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- ERRERA, M.**
NORMAL NUCLEAR BIOCHEMICAL PROCESSES AND ANALYSIS
OF NUCLEAR RADIATION DAMAGE N65-23462
- ERSHOV, P. M.**
GALVANIC SKIN RESPONSE EVOKED BY VERBAL COMMAND
A65-80829
- ERVIN, F. R.**
ON-LINE PROGRAMMING FOR ANALYSIS OF VISUAL
SYSTEM USING SHOCK-DISPLAY SAMPLING SYSTEM
N65-28752
- ESIPENKO, B. YE.**
HIGH MOUNTAIN FACTORS ON REFLEX RELATIONSHIPS
BETWEEN RENAL AND SALIVARY FUNCTION
N65-17822
- ESKIN, A.**
CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF
SENSITIVITY TO ROTATION IN WHITE RATS
NASA-CR-67253 N65-35110
- ESMOND, W. G.**
LUNG FUNCTION OF DOG AS AFFECTED BY HYPOTHERMIA
A65-80059
- ESPARZA, H.**
TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION A65-18433
TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION A65-80583
- ESTABLE-PUIG, J. F.**
MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION A65-21945
LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM
NASA-TM-X-51741 N65-22189
ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX
FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TM-X-51592 N65-35317
- ESTEBAN DE ANTONIO, M.**
SCREENING AND SELECTION OF SPANISH PILOTS
A65-81778
VISUAL PROBLEMS OF SPANISH AIRLINE PILOTS
A65-81785
USE OF CONTACT LENSES BY FLYING PERSONNEL
A65-81786
AGE LIMIT OF SPANISH MILITARY AND CIVILIAN PILOT
A65-81814
MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT
DUTY A65-81826
- ESTES, W. K.**
INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS
ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW
DETECTION METHOD A65-80390
- ETMANOWICZ, S.**
MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE
FOR HUMAN TOLERANCE
FTD-TT-64-70/1&2 N65-16798
- EUGSTER, J.**
COSMIC RADIATION EFFECT ON HUMAN SKIN, PRIMARILY
TOPOGRAPHICAL LOCALIZATION AND HISTOLOGICAL
CHANGES A65-14574
ASTROBIOLOGICAL CONSIDERATIONS OF LIFE FORMS ON
OTHER PLANETS AND OUTSIDE SOLAR SYSTEM INCLUDING
BALLOON, SATELLITE AND ASTRONOMICAL OBSERVATIONS
- ORIGIN OF LIFE ON EARTH AND OTHER CELESTIAL
BODIES AND STRESSES ENCOUNTERED BY MAN DURING
SPACE TRAVEL A65-80949
INTERSTELLAR MATTER DEPOSITED ON EARTH SURFACE
AS RELATED TO PLANT AND ANIMAL LIFE A65-81967
- EVANS, C. R.**
BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN
PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND
MACHINES A65-35479
PATTERN PERCEPTION USING STABILIZED RETINAL IMAGE
A65-82104
- EVANS, D. A.**
THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY
HYPOXIA AND REBOUND A65-81171
- EVANS, F. J.**
SPECIFIC MOTOR RESPONSE DURING SLEEP TO
SLEEP-ADMINISTERED MEANINGFUL SUGGESTION
A65-81012
- EVANS, G. W.**
RISK-TAKING SET OF INDIVIDUAL RELATED TO HIS
TARGET DETECTION PERFORMANCE A65-81886
- EVANS, R. M.**
COLOR PERCEPTION REVIEWED WITH RESPECT TO
PHYSICAL, PSYCHOPHYSICAL, AND PSYCHOLOGICAL
VARIABLES A65-80612
- EVANS, S. M.**
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- EVANS, W. E.**
INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR
PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS
LR-18525 N65-23152
- EVANS, W. O.**
AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY
D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- EVERETT, M. A.**
BIOCHEMICAL ALTERATIONS OCCURRING DURING
PHYSIOLOGICAL REACTIONS OF SKIN FOLLOWING EXPOSURE
TO ULTRAVIOLET RAYS A65-80056
- EVERETT, R. J.**
PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD
CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668
- EVSTAFEV, B.**
FLIGHT AND PHYSICAL TRAINING FOR AIRCREWS
A65-80892
- EVSTIGNEEVA, Z. G.**
ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY
CHLORELLA PYRENOIDOSA PRINGSHEIM 821 A65-80599
- EWBANK, J. N.**
OPERATIONAL TEST AND EVALUATION OF HGU-15/P
FLYING HELMET FOR AIRCREW
TAC-TR-63-31/H/ N65-27637
- EWERT, G.**
QUANTITATIVE METHOD FOR STUDY OF MUCUS FLOW RATE
IN HUMAN NOSE A65-82068
- EWING, W. H.**
HUMAN INTESTINAL FLORA - MICROORGANISMS
N65-18586
- EYSENCK, H. J.**
REMINSCE - THREE FACTOR THEORY
A65-82108
- EYSTER, C.**
NUTRITIONAL REQUIREMENTS OF ALGAE - ELEMENTS FOR

PHOTOSYNTHESIS AND NORMAL METABOLISM

A65-80375

EYZNER, YU. YE.

POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL
TRANSITIONS IN MACROMOLECULES N65-25028

F

FABRE, J.

VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY
FROM 1951-1963 A65-80918

FABRY, C.

ANATOMICAL AND PHYSIOLOGICAL SCHEMA OF
GASTROINTESTINAL TRACT FOR DETERMINATION OF
RADIOACTIVE CONTAMINATION LEVELS
CEA-R-2413 N65-32989

FACQUET, J.

INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY
HUMAN A65-80106

FAILLA, P. M.

POST FERTILIZATION RECOVERY PROCESS FOR IRRADIATED
EGGS AND SPERM OF SEA URCHIN N65-18082

FAIRCHILD, M. D.

BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS
EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE
AMRL-TDR-64-72 N65-12045

FAIRLESS, B. J.

MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431

FAITELBERG-BLANK, V. R.

ROLE OF CENTRAL AND AUTONOMIC NERVOUS SYSTEMS IN
MECHANISM OF ULTRASONIC ACTION ON GASTROINTESTINAL
ABSORPTION PROCESS AS RELATED TO DRUG EFFECT
A65-80049HIGH-FREQUENCY MICROWAVES EFFECT ON ABSORPTION IN
STOMACH AND INTESTINE IN DOGS A65-80710

FALKINHAM, J. O.

ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585 N65-20625

FALLS, H. B.

DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS
FROM FACTOR ANALYSIS RESULTS A65-81913

FALSETTI, H. L.

ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY
OBSTRUCTION DURING REST AND EXERCISE
A65-81607

FALTOT, P.

PROTECTIVE CLOTHING AGAINST HEAT FOR NAVY
MECHANICS A65-81035

FANT, C. G. M.

SPEECH PRODUCTION AND VOCAL TRACT CHARACTERISTICS
CORRELATED WITH SPEECH WAVE DATA AND
PHYSIOLOGICAL STRUCTURES
AFCL-65-272 N65-30196

FANT, G.

RECORDING AND ANALYSIS OF VOCAL TRACT FREQUENCY
RESPONSE BY SWEEP TONE METHOD
STL-QPSR-1/1965 N65-27020

FARBER, D. A.

DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY
PHOTIC STIMULATION BY STUDY OF
ELECTROENCEPHALOGRAMS A65-81454

FARBER, YU. V.

BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS

N65-13727

FARHI, L. E.

RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION
WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS
AMBIENT PRESSURES A65-80669

FARISH, P. T.

MARSHALL SPACE FLIGHT CENTER PROGRAM TO UPGRADE
SPACE VEHICLE RELIABILITY BY MOTIVATING PERSONNEL
TO REDUCE MISTAKES AND MALFUNCTION OF EQUIPMENT
A65-31574

FARRELL, R. J.

CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES
IN MULTIPLE TASK PERFORMANCE A65-81563

FARRER, D. N.

AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS
AND PRE-ADOLESCENT CHIMPANZEES
NASA-CR-67297 N65-35104

FARROW, B. J.

INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND
EXTENT OF AUTOKINETIC MOVEMENT A65-81750

FASCENELLI, F. M.

SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE
AND BAROTRAUMA EXPOSURE A65-82371

FASCILOLO, J. C.

HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING
EXERCISE A65-81084

FAUR, M.

PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT A65-81736

FAUST, C. L.

HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS
USING HYDROGEN DIFFUSION CATHODE TO REMEDY
CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394

FAVALE, E.

FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222

FAVERO, M. S.

DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116

FAVREAU, O.

PROACTIVE DECREMENTAL EFFECTS ON RESPONSE SPEED IN
CONTINUOUS DISJUNCTIVE REACTION TIME TASK
A65-80027

FEDERMAN, P.

DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW A65-18291DEVELOPMENT OF PAINT SCHEME FOR INCREASING
AIRCRAFT DETECTABILITY AND VISIBILITY
A65-81124

FEDOROV, K.

EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION
ON CONDITIONED REFLEX IN RATS A65-80929

FEDOROV, N. A.

EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS
N65-13676

FEDOROV, YE. A.

METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT N65-13765

- FEDOROVA, L. D.
COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID
GLAND FUNCTION IN RATS A65-80712
- FEDOROVA, T. A.
ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
- METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT N65-13765
- FEDOROVA, V. I.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- FEDOSEEV, V. M.
RADIATION PROTECTION EFFECTS OF AET AND 5-MOT AS
FUNCTION OF MARROW CELLS IN MICE A65-26896
- EFFECT OF PROTECTORS ON BONE MARROW REGENERATION
AFTER IRRADIATION BY SUBLETHAL DOSES OF
X-RADIATION A65-81551
- DISTRIBUTION OF PSEUDOURACIL AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE A65-81675
- FEDOTOV, N. P.
RADIOPROBE FOR DETECTION OF FOREIGN BODIES
N65-23448
- FEDOTOVA, M. I.
PROPHYLACTIC EFFECT OF AEROIONIZATION IN ACUTE
RADIATION SICKNESS A65-80800
- FEHRER, C. E.
ACOUSTIC FACILITATION OF VISUAL DETECTION
A65-82035
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL
ESD-TR-64-557 N65-21144
- FEGLEY, K. A.
OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO
SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING
COMBINED VARIATIONAL CALCULUS AND PHASE PLANE
ANALYSIS A65-14963
- FEHRER, E.
CONTRIBUTION OF PERCEPTUAL SEGREGATION TO
RELATIONSHIP BETWEEN STIMULUS SIMILARITY AND
BACKWARD MASKING. A65-82332
- FEINSTEIN, D. A.
ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE
CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL
GANGLIA ELECTRICAL ACTIVITY A65-22674
- FEINSTEIN, S. H.
SONAR SYSTEM OF BLIND PERSONS - SIZE
DISCRIMINATION A65-81155
- FEISER, W.
MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
SIGNIFICANCE IN AUDIOMETRY A65-81770
- FELDMAN, A. G.
CALCULATION OF PHYSIOLOGICAL TREMOR BASED ON WORK
OF MOTOR UNITS IN MAN A65-80750
- FELDMAN, H.
SPEECH DISCRIMINATION IN NOISE IMPROVED BY
BINAURAL HEARING A65-82133
- FELDMAN, S.
EFFECT OF SENSORY STIMULI ON SINGLE UNIT ACTIVITY
IN POSTERIOR HYPOTHALAMUS IN CATS A65-82275
- FELIG, P.
OXYGEN TOXICITY IN RATS EVIDENCED BY HEPATIC,
RENAL AND PULMONARY MITOCHONDRIAL SWELLING AND
THYROID RESPONSE VARIATIONS A65-29066
- FELLER, D. D.
CHANGES IN LIVER LIPID METABOLISM OF RATS
- SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS A65-33527
- CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF
DIFFERENT AGES EXPOSED TO ACCELERATION STRESS
A65-81023
- ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE
BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS
NASA-TM-X-51940 N65-29450
- FENDLER, K.
EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON
POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES
EVOKED BY PHYSICAL EXHAUSTION A65-81923
- FENU, G.
EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF
RABBITS TO ROTATION-ACCELERATORY STIMULI A65-82194
- FENZ, W. D.
MANIFEST ANXIETY - FACTORIAL STUDY A65-81562
- STEEPNESS OF APPROACH AND AVOIDANCE GRADIENTS IN
PARACHUTE JUMPING AS FUNCTION OF EXPERIENCE
A65-81616
- FERGUSON, D. E.
DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES
NAVTRADEVCE-1329-1 N65-10522
- FERGUSON, J.
MAN-MACHINE SYSTEM - HIGH SPEED FLIGHT OF MANNED
AIRCRAFT AT LOW ALTITUDE N65-28454
- FERGUSON, T. M.
BIOCHEMISTRY DATA ACQUISITION RELATING TO EFFECTS
OF CATARACTOGENIC METHODS
SAM-TDR-64-19 N65-26243
- FERMAN, R.
MOOD, MOTILITY, AND 17-HYDROXYCORTICOID
EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT
NASA-CR-63785 N65-28097
- FERNANDEZ-CRUZ, A.
MANNED SPACE FLIGHT - REVIEW OF PROBLEMS OF SENSOR
DEPRIVATION, ADAPTATION AND PHYSICAL HAZARDS
A65-81832
- FERNANDEZ-MORAN, H.
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE
OXIDATIVE DECARBOXYLATION OF PYRUVATE IN
ESCHERICHIA COLI A65-16854
- HIGH RESOLUTION ELECTRON MICROSCOPY FOR
CORRELATIVE STUDIES OF BIOLOGICAL ULTRASTRUCTURE
A65-18695
- INTEGRATED RESEARCH AND TRAINING IN SPACE
MOLECULAR BIOLOGY - ELECTRON MICROSCOPE
LABORATORY COMPLETION AND CORRELATED RESEARCH
WITH ELECTRON DIFFRACTION
NASA-CR-62879 N65-24674
- ELECTRON MICROSCOPY AND ELECTRON OPTICS IN
EXOBIOLOGY
NASA-CR-62954 N65-24993
- FERRARI, G.
BIOSYNTHESIS OF AMINO ACIDS IN GREEN ALGA,
CHLORELLA VULGARIS A65-80346
- FERREIRA, A. J.
AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT
A65-81405
- FERRELL, W. R.
FEEDBACK-DELAY EFFECT ON ABILITY TO PERFORM
SELF-PACED MANUAL TASKS - CYBERNETICS
NASA-TN-D-2665 N65-17329
- FESTINGER, L.
ACCURACY OF LOCALIZATION OF TARGET IN SPACE WITH
VARIED EFFERENT INPUT A65-82215

- FETTER, R. W.
MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY
NASA-CR-64601 N65-33128
- FETTERMAN, D. E., JR.
SIMULATED ROCKET JET EXHAUST EFFECT ON STABILITY
AND CONTROL OF RESEARCH AIRCRAFT CONFIGURATION
NASA-TM-X-127 N65-28135
- FEWINGS, J. D.
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE A65-80180
- FEX, J.
AUDITORY ACTIVITY IN UNCROSSED CENTRIFUGAL
COCHLEAR FIBERS IN CAT A65-82043
- FIALA, J.
ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED
ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID
INCORPORATION A65-18029
- FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES
PURIFICATION AND RECONSTITUTION OF RIBOSOMAL
SYSTEM OF ESCHERICHIA COLI
NASA-CR-59029 N65-29485
- FIANDACA, S.
STATISTICAL ANALYSIS OF SICKNESS AND ACCIDENT
RATE IN WORKERS EXPOSED TO RISK OF CHRONIC CARBON
MONOXIDE POISONING A65-80285
- FICHTBAUER, S.
MOTIVATION TOWARD FLYING IN PILOT CANDIDATES
RELATED TO TRAINING SUCCESS AND ADJUSTMENT A65-81776
- FICHTEL, K.
QUANTITATIVE EVALUATION OF VASOCONSTRICTION DURING
DEEP INSPIRATION A65-81716
- RELATIONSHIP BETWEEN CHANGES IN ELECTRIC POTENTIAL
OF FOREARM MUSCLES AND ACRAL VASOMOTOR REACTION
EVOKED BY DEEP INSPIRATION A65-81993
- FIDELUS, K.
MECHANOELECTRICAL AND BIOMECHANICAL PRINCIPLES OF
CONTROL OF HUMAN UPPER LIMB MUSCLES A65-20495
- FIDURA, F. G.
PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
FUSION A65-82260
- FIEDLER, F. E.
LEADERSHIP MODEL PROPOSED WHICH IS BASED ON
GROUP-TASK SITUATION A65-81083
- QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19 N65-14061
- FIFKOVA, E.
DECREASED BODY TEMPERATURE AND EFFECT
ON CONDITIONED REFLEXES IN RATS A65-80328
- ELECTROENCEPHALOGRAPHIC CHANGES IN MICE IN
WAKE-SLEEP CYCLE A65-80329
- FIGUEROA, M. G.
STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY -
BIOPHYSICS AND NUCLEAR MEDICINE
UCLA-12-538 N65-14988
- FILATOVA, A. A.
STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592
- FILATOVA, L. G.
ACCLIMATIZATION TO HYPOXIA BY MAN AND ANIMALS
N65-17817
- FILEV, K. A.
CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY
OF SEEDS AND IRRADIATION INTENSITY N65-25614
- FILIASHINA, G. A.
ROLE OF NERVOUS SYSTEM IN KIDNEY REACTION TO SMALL
DOSES OF IONIZING RADIATION A65-80648
- FILIN, A. P.
OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS N65-10121
- FILIPPOV, B. V.
IONIZING EFFECT OF BETA PARTICLES ON RATE OF
GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA
CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON
A65-82242
- FILIPPOVICH, I. I.
CHEMICAL PROCESSES CAPABLE OF REGULATING
BIOSYNTHESIS OF DNA
JPRS-31578 N65-31420
- FILLENBAUM, S.
ADAPTATION WITH CONSTANT AND VARIABLE DELAY IN
AUDITORY FEEDBACK. A65-82279
- FILISOFOV, V. K.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- FILSAKOVA, B.
OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- FILSON, G. W.
ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS
IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON
DIMENSIONAL ANALYSIS AND MODEL THEORY A65-19839
- FINCHAM, W.
ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF
HUMAN RESPIRATORY SYSTEM A65-34987
- FINDLEY, J. D.
BEHAVIORAL RESEARCH FACILITY AND PROGRAM FOR
COMPLEX REPERTOIRES UNDER ENVIRONMENTAL CONTROL
NASA-CR-62606 N65-23283
- FINE, P. M.
OBSERVATION AND CATEGORIZING AND RATING OF COPING
DEVICES FOR USE IN AIRCREW SELECTION
AD-617745 N65-30098
- FINE, S.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- FINEG, J.
SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE N65-36771
- FINKEL, A.
BLOOD CLOTTING IN HUMANS AS AFFECTED BY PHYSICAL
EXERCISE IN COLD ENVIRONMENT A65-81141
- FINKEL, A. J.
GAMMA RAY SPECTROSCOPY OF MAN - LONG TERM EFFECTS
OF RADIUM DEPOSITION, MEASURING TECHNIQUES,
RADIUM DISTRIBUTION AND RETENTION, AND CESIUM
AND POTASSIUM ACCUMULATION
AML-6839 N65-21241
- FINKELSTEIN, R. A.
MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
INFANT RABBITS - HUMAN DISEASE N65-22294
- FINKELSTEIN, S.
PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL
AND OBSTRUCTIVE LUNG DISEASED PATIENTS A65-81973
- FINLAY, S. E.
MUSCULAR PERFORMANCE IN MALE ATHLETE UNDER

- INFLUENCE OF TWO PSYCHOSTIMULANT DRUGS
A65-81228
- FINLEY, F. R.
CORRELATIONAL STUDY OF MYOPOTENTIAL RESPONSE AND
FORCE OF MUSCLE CONTRACTION DURING VARYING
ACTIVITY DEMANDS
REPT.-2386
N65-25529
- FINSINGER, F. X.
X-RADIATION EXPOSURE OF DROSOPHILA MELANOGASTER
EGGS
REPT.-3521
N65-36707
- FIGORE, M. V.
CONTROL/DISPLAY ASSOCIATION STEREOTYPE
DETERMINATION WHEN CONTROLS AND DISPLAYS ARE
ARRANGED ON TWO-DIMENSIONAL SURFACE
A65-31103
- FIRSOFF, V. A.
POSSIBLE ALTERNATIVE CHEMICAL ELEMENTS AND
COMPOUNDS SUITABLE FOR PROLONGED BIOMOLECULAR
EVOLUTION AND CHEMICAL SELECTION ON NONTERRESTRIAL
TYPE PLANET
A65-27098
- FISCHER, H.
RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR
RADAR PERSONNEL
A65-80058
- FAT EMBOLISM IN FATAL DECOMPRESSION SICKNESS IN
T-33 AIRCRAFT
A65-80149
- FISCHER, J. E.
CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT
OF RAT PINEAL GLAND
A65-80654
- FISCHER, R. A.
LUNAR BASE LIFE SUPPORT SYSTEMS PROVIDING
ATMOSPHERE AND THERMAL CONTROL, RADIATION
PROTECTION AND WATER AND WASTE RECOVERY
A65-13099
- LIFE SUPPORT FOR LUNAR BASE OPERATIONS
A65-80530
- FISCHGOLD, H.
ELECTROENCEPHALOGRAM IN AVIATION MEDICINE -
RECOGNITION OF EPILEPTIC WAVE PATTERNS
A65-81784
- FISEROVA-BERGEROVA, V.
PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN
A65-81625
- FISH, A. M.
GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA
N65-25030
- FISHELEV, I. R.
CUTANEOUS PERCEPTION IN HUMAN SUBJECTS OF COLOR
AND PATTERNS BY PHOTIC STIMULATION
A65-80797
- FISHER, H.
FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION,
AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO
HEAT AND COLD
A65-81604
- FISHER, L.
TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609
N65-29386
- FISHER, P.
CASE HISTORIES OF INJURIES PRODUCED BY SEAT BELTS
A65-81187
- FISHER, R. S.
TECHNIQUES OF IDENTIFICATION APPLIED TO 81
EXTREMELY FRAGMENTED AIRCRAFT FATALITIES
A65-81231
- FISTER, V.
HYPOXIA SURVIVAL OF RATS IMPROVED BY HYPERGLYCEMIA
BUT LOWERED BY INSULIN AND CHLORPROMAZINE
A65-80587
- FITCH, F. W.
EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF
CRGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO
VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER
SAMPLES
A65-80081
- FITE, L. E.
NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR
ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC
SYSTEM, NOTING FEASIBILITY OF OPERATION
A65-16425
- FIXA, B.
PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE
INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE
A65-80352
- FLAHERTY, B. E.
AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON
OF CHLOROPROMAZINE, PROCLORPERAZINE, AND
AMOBARBITAL FOR IN-FLIGHT MANAGEMENT
A65-80130
- FLAHERTY, R. J.
COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE
TO HEAD TILT AND BODY ROTATION
GE/EE/64-8
N65-14436
- FLAHERTY, T. M.
INTEGRATED MISSION SIMULATION TECHNIQUE TESTS
PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR
MISSION
AIAA PAPER 65-275
A65-22125
- FLANAGAN, J. L.
SPEECH ANALYSIS SYNTHESIS AND PERCEPTION OF SPEECH
AND PHYSIOLOGY OF HEARING
A65-81773
- FLANDROIS, R.
URINARY EXCRETION OF EPINEPHRINE AND
NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE
A65-80113
- FLATH, F.
CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23
N65-34134
- FLEER, U.
OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS
A65-80453
- FLEISHMAN, E. A.
COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT
STAGES OF LEARNING COMPLEX TRACKING TASK
A65-81661
- FLEKKEL, A. B.
EFFECT OF ANGULAR ROTATION VELOCITIES ON STATE OF
PHYSIOLOGICAL SYSTEMS AND SEVERAL VISUAL
FUNCTIONS
N65-13766
- FLEMMING, K.
RADIATION PROTECTIVE EFFECT OF ETHYL PALMITATE,
OLIVE OIL AND OTHER VEGETABLE OILS IN MOUSE
A65-80844
- FLESS, D. A.
MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN
NEURAL PROCESSES OF EXCITATION AND INHIBITION
N65-14579
- FLETCHER, H. S.
FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993
N65-35060
- FLETCHER, J. L.
CRITERIA FOR ASSESSING RISK OF HEARING DAMAGE
A65-81393
- RELATIONSHIPS FOR TEMPORARY THRESHOLD SHIFTS
PRODUCED BY THREE DIFFERENT NOISE SOURCES
A65-81417
- RELIABILITY OF HIGH-FREQUENCY THRESHOLD
MEASUREMENT
A65-82296

- PROTECTIVE EFFECT OF WHITE NOISE AND CLICKS AS
ACOUSTIC REFLEX STIMULI PRIOR TO EXPOSURE TO
IMPULSE NOISE A65-82297
- FLEXMAN, R.
OPERATOR TRAINING REQUIREMENTS FOR AIR CUSHION
VEHICLES
NAVTRADEVEN-1557-1 N65-23085
- FLEXMAN, R. E.
INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS
AMRL-TR-65-18 N65-30156
- FLINN, D. E.
FUNCTIONAL STATES OF ALTERED AWARENESS IN FLYERS,
DISCUSSING INDIVIDUAL AND ENVIRONMENTAL
CIRCUMSTANCES RELATED TO OCCURRENCE A65-26171
- AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON
OF CHLOROPROMAZINE, PROCLORPERAZINE, AND
AMOBARBITAL FOR IN-FLIGHT MANAGEMENT A65-80130
- AWARENESS DURING FLIGHT AND SENSORY INPUT,
EMOTIONAL DISORDER, AND FATIGUE AS RELATED TO
MENTAL PERFORMANCE AND FLIGHT SAFETY A65-81295
- POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62 N65-17438
- FLOCK, A.
FUNCTIONAL ANATOMY AND MORPHOLOGICAL FEATURES OF
VESTIBULAR AND LATERAL LINE ORGANS OF EQUILIBRIUM,
NOTING HAIR CELL A65-25647
- MORPHOLOGY AND POLARIZATION OF HAIR CELLS OF
VESTIBULAR END ORGAN A65-81721
- FLOOD, J. M.
SAFETY THRESHOLDS CALCULATED FOR AMOUNT OF LASER
RADIATION HUMAN EYE CAN ABSORB A65-12397
- FLORENTIN, E.
THEORETICAL AND ANALOGICAL STUDY OF ALVEOLAR GAS
COMPOSITION IN PERIODIC REGIME AS APPLIED TO
PROBLEM OF CHEMICAL REGULATION OF RESPIRATION A65-81030
- FLORESCU, R.
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS A65-81619
- FLYE, J.
CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN
AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT -
SENSORY DEPRIVATION A65-80024
- FOA, U. G.
NEW DEVELOPMENTS IN FACET DESIGN AND ANALYSIS
A65-81670
- FOCKE, H.
DISCREPANCY BETWEEN HIGH SPEEDS ATTAINED BY
DOLPHINS AND THEIR MUSCLE POWER A65-18443
- FOELSCH, T.
IONIZING RADIATION IN SUPERSONIC TRANSPORT FLIGHTS
NASA-TM-X-56122 N65-18921
- FOFT, J. W.
PATHOLOGICAL EFFECTS OF RAPID DECOMPRESSION IN
EXPERIMENTAL DOGS, EXAMINING TISSUES AND LUNG
DAMAGE A65-32631
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO
DURATION AND EXTENT OF DECOMPRESSION A65-81731
- FOGG-AMED, E.
MUSCULOSKELETAL ANATOMY OF THORAX AND BRACHIUM OF
SQUIRREL MONKEY - MORPHOLOGY AND PHYSIOLOGY
RELATING TO STRENGTH AND ENDURANCE OF MONKEYS,
APES, AND HUMANS
ARL-TR-65-8 N65-36722
- FOGG, G. E.
ALGAL CULTURE TECHNIQUE AND PHYTOPLANKTON ECOLOGY
A65-81163
- FOHT, A.
EFFICIENCY AND STABILITY OF COMPLEX CLOSED
ECOLOGICAL SYSTEM OPERATING ON SOLAR ENERGY AND
WITH INTERNAL FEEDBACKS EVALUATED FROM
THERMODYNAMIC AND KINETIC VIEWPOINTS A65-36236
- FOKHT, A. S.
BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN
SEQUENTIAL TRANSPORT OF ELECTRONS DURING
PHOTOSYNTHESIS N65-32659
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE
DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION
PROBLEMS
NASA-TT-F-9590 N65-35784
- FOLEY, J. P., JR.
TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY
OF M-1 CARBINE
AMRL-TDR-64-90 N65-11899
- FUNDAMENTAL TASKS AND CONCEPTS FOR TRAINING
PERSONNEL IN ELECTRONIC COMMUNICATIONS
AMRL-TR-64-85 N65-18966
- FOLEY, P. J.
PHASE DIFFERENCE FUNCTION IN BINOCULAR CRITICAL
FLICKER FREQUENCY A65-81411
- FUNCTIONAL RELATIONSHIP BETWEEN CRITICAL FLICKER
FREQUENCY OF TWO IDENTICAL INTERMITTENT TARGETS,
BINOCULARLY SUPERIMPOSED, AND PHASE DIFFERENCE
BETWEEN TARGETS N65-27217
- FOLK, G. E., JR.
DAILY PHYSIOLOGICAL RHYTHMS AND ACTIVITY CYCLE
RECORDED BY RADIO CAPSULES OF GROUND SQUIRRELS
AND CARNIVORES EXPOSED TO EXTREME CHANGES IN
ARCTIC DAYLIGHT A65-80268
- PROBLEM OF USING ELECTRODES WITH
ELECTROCARDIOGRAPH RADIO CAPSULES A65-81055
- CONTINUOUS TELEMETRIC MEASUREMENTS OF BIOLOGICAL
RHYTHMS IN UNRESTRAINED ARCTIC GROUND SQUIRRELS
/CITELLUS PARRYI/ A65-81459
- FOLK, H.
SUPPLY OF TRAINED PERSONNEL FOR ENGINEERING AND
SCIENCE
NASA-CR-27953 N65-27953
- FOLK, M. A.
CONTINUOUS TELEMETRIC MEASUREMENTS OF BIOLOGICAL
RHYTHMS IN UNRESTRAINED ARCTIC GROUND SQUIRRELS
/CITELLUS PARRYI/ A65-81459
- FOLLE, L. E.
CARDIOVASCULAR EFFECTS OF ANOXIA AND INFLUENCE OF
NEW BETA ADRENERGIC RECEPTOR BLOCKING DRUG,
MJ1999, IN DOGS A65-81714
- FOLLEY, J. D., JR.
TRAINING INSTRUCTION OF ASSEMBLY AND DISASSEMBLY
OF M-1 CARBINE
AMRL-TDR-64-90 N65-11899
- FOMICHENKO, K. V.
X-RAY IRRADIATION EFFECT ON PROTEIN COMPOSITION OF
BLOOD A65-24296
- FOMIN, A. G.
PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE
SUPPORT SYSTEMS OF VOSTOK AND VOSKHOD SPACE
SHIPS A65-29942
- LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD
MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710

- FOMIN, V.
SPACE MEDICINE IN U.S.S.R.
JPRS-28417 N65-15036
- FONTAINE, M.
TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE A65-80609
- FORBES, S.
EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE
OF ALBINO GUINEA PIGS A65-81917
- FORCHER, H.
STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- FOREMAN, J. A.
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA
A65-81378
- FORGUS, R. H.
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- FORNEY, R. B.
EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-
AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN
PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS
A65-80161
- FORNWALT, N. E.
CONSTANT PERIODICITY INTERMITTENT NOISE AND RANDOM
PERIODICITY EFFECTS ON TASK PERFORMANCE IN
INDUSTRY
AD-611788 N65-22678
- FORSHAW, S. E.
INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS
A65-82298
- FORSTER, G.
PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND
TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN
A65-80696
- FORSTER, R. E.
FACTORS AFFECTING RATE OF OXYGEN EXCHANGE
BETWEEN CAPILLARY BLOOD AND TISSUES A65-80361
- REACTION RATE OF CARBON DIOXIDE WITH HUMAN RED
BLOOD CELLS AS AFFECTED BY ACETAZOLAMIDE A65-80731
- OXYGENATION OF TISSUE CELL A65-81512
- TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN
RED CELLS A65-81906
- FORTUNATO, V.
AVIATION MEDICINE AND RESEARCH IN FIELD OF
OTORHINOLARYNGOLOGY IN WORK OF AGOSTINO GEMELLI
A65-80926
- FOSTER, J. F.
CONTINUOUS CULTURE APPARATUS FOR BACTERIUM,
HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION
OF HYDROGEN PRODUCED BY ELECTROLYSIS OF
WATER IN CLOSED-CYCLE SPACE SYSTEM A65-80099
- FOULKES, D.
EFFECT OF VISUAL STIMULI ON DREAM CONTENT DURING
SLEEP A65-81653
- MENTAL ACTIVITY IN HYPNAGOGIC PERIOD AT SLEEP
ONSET RELATED TO ELECTROENCEPHALOGRAPHY PATTERN
A65-82003
- FOWLER, D. G.
FACTS ABOUT LEAD POISONING AND INDUSTRIAL HYGIENE
A65-81545
- FOWLER, E. P.
STIMULUS INTENSITY CHANGES AS RELATED TO TONE AND
REACTION TIME IN DETERMINING AUDITORY NEURAL
LESIONS A65-82270
- FOWLER, K. T.
PULMONARY CIRCULATION IN ERECT HUMAN LUNG
A65-82150
- FOWLER, W. M., JR.
ANABOLIC STEROID EFFECT ON PHYSICAL PERFORMANCE OF
YOUNG MEN A65-81919
- FOWLIS, D. C.
SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVEN-1440-1 N65-31622
- FOX, E. L.
ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD
PRESSURE, AND NET OXYGEN COST
NASA-CR-59419 N65-10119
- FOX, R.
BINOCULAR RIVALRY RATE AS FUNCTION OF
PHYSIOLOGICAL AROUSAL AND VERBAL INTELLIGENCE
A65-80566
- FOX, S. M., III
PHYSICAL EXERCISE AND CARDIOVASCULAR HEALTH
A65-80202
- FOX, S. W.
LIFE ORIGIN THEORIES EMPHASIZING AMINO ACIDS
COMMON TO PROTEIN AND MODULATION OF PROTEIN INTO
PRIMITIVE CELLS A65-16244
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS A65-25243
- ORIGINS OF PREBIOLOGICAL SYSTEMS AND OF THEIR
MOLECULAR MATRICES - CONFERENCE A65-80465
- THERMAL SYNTHESIS OF AMINO ACIDS FROM
HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE
A65-80475
- THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH
POLYPHOSPHORIC ACID A65-80481
- THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
OF POLYPHOSPHORIC ACID A65-80483
- REVIEW OF EXPERIMENTS DEALING WITH DEVELOPMENT OF
MICROSPHERES FROM THERMAL PROTEINOID A65-80486
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS
SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319
- ELECTRON MICROGRAPHS OF THERMAL PROTEINOID
MICROSPHERES - BIOLOGICAL CELL MODEL
NASA-CR-52474 N65-16983
- CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND
PROTEINOID PRODUCTION FOR NUTRITIONAL
INVESTIGATION
NASA-CR-56268 N65-22180
- FOYE, W. O.
ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE
EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033
- FRADKIN, G. YE.
USE OF FREE PHAGE AND SYSTEM PHAGE-BACTERIUM IN
STUDYING BIOLOGICAL EFFECT OF IONIZING RADIATION
JPRS-29606 N65-21570
- FRAENKEL, E.
METHODS OF EVALUATING ANALGESIC EFFECT OF DRUGS
FTD-TT-64-55/162 N65-19187
- FRANCIS, R. D.
SOME BEHAVIORAL FACTORS AFFECTING ASTRONAUTS

- FRANCOIS, R. CH.
STATISTICAL ANALYSIS OF INCIDENCE OF CLINICAL
SIGNS DURING ACUTE CARBON MONOXIDE POISONING
AND PROGNOSTIC VALUE A65-81253 A65-80286
- FRANK, G. M.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPDIETIC TISSUES A65-29946
- NATURE OF LIFE, RELATION BETWEEN BIOLOGICAL,
PHYSICAL AND CHEMICAL MATTER, AND PHYSICS,
CHEMISTRY, BIOLOGY, AND CYBERNETICS ROLE AND
METHODS IN EXPLORING LIFE PHENOMENA
JPRS-29864 N65-23144
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- FRANK, R.
SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS A65-81465
- FRANKEL, G.
VENTILATION EFFICIENCY OF APOLLO PROTOTYPE SPACE
SUIT DETERMINING HEAT BALANCE AND MASS FLOW RATES
FROM MANNED CHAMBER TESTING A65-10831
- FRANKEL, H. M.
PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CATS
DURING PROGRESSIVE HYPOTHERMIA
AD-468457 N65-31514
- FRANKENHAEUSER, M.
INTERRELATIONS BETWEEN PHYSIOLOGICAL, BEHAVIORAL
AND SUBJECTIVE REACTIONS TO STRESS A65-26743
- URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN
A65-80252
- INTERINDIVIDUAL DIFFERENCES IN CATECHOLAMINE
EXCRETION DURING STRESS A65-81883
- FRANKLIN, D.
TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS A65-81358
- FRANKLIN, M. E.
VISUAL TARGET DETECTION - DEVELOPMENT OF AIR TO
GROUND DETECTION/IDENTIFICATION MODEL -
BIOTECHNOLOGY
HSR-RR-65/4-DT N65-35430
- FRANKLIN, S.
RELATIVE SIZE CUE EFFECT ON PERCEIVED RELATIVE
DISTANCE A65-82262
- FRASER, T. M.
MEDICAL PROBLEMS OF HUMAN ENGINEERING IN MANNED
SPACE FLIGHT A65-81103
- FRAYSER, R.
CHANGES IN PULMONARY DIFFUSION CAPACITY AND
PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE
PRESSURE BREATHING IN MAN A65-82099
- FREDERICKSON, E. M.
RADAR TARGET DETECTION AS FUNCTION OF SEARCH AREA
AND VIEWING DISTANCE A65-81885
- RADAR TARGET DETECTION BY TRAINED AND UNTRAINED
OPERATORS
AD-455767 N65-16422
- FREEBURNE, C. M.
RELATIONSHIP BETWEEN STATIC AND DYNAMIC VISUAL
ACUITY A65-81978
- FREED, M.
TRANSMISSION OF BIOMEDICAL DATA OBTAINED IN
SIMULATION STUDIES WITH HUMAN CENTRIFUGE, USING
SOLID STATE AMPLIFIERS A65-24200
- PROBLEMS IN DATA TRANSMISSION BY TELEMETRY OF
BIOLOGICAL INFORMATION COLLECTED IN EXPERIMENTS
WITH 50-FT. HUMAN CENTRIFUGE A65-81356
- FREEDMAN, G. M.
SPACE SUIT DESIGN FOR THERMAL ENVIRONMENT CONTROL
DURING EXTRAVEHICULAR TASKS A65-10695
- FREEDMAN, S.
EXTERNAL ELASTIC AND THRESHOLD LOADING ON
BREATHING IN MAN A65-81146
- FREEDMAN, S. J.
VISUAL IMAGERY PRODUCED BY RHYTHMIC PHOTIC
STIMULATION - PERSONALITY CORRELATES AND
PHENOMENOLOGY A65-80866
- EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT
ARM MOTIONS DURING COMPENSATION FOR DISPLACED
VISION A65-81647
- EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION
OF LOCATION
AFOSR-64-0938 N65-11157
- FREEMAN, P. R.
ACOUSTIC FACTORS VERSUS LANGUAGE FACTORS IN
SHORT-TERM MEMORY A65-82280
- FREEMAN, R. B., JR.
CONTRAST HYPOTHESIS OF FIGURAL AFTER-EFFECTS
A65-80737
- BRIGHTNESS CONSTANCY UNDER GRADIENT OF
ILLUMINATION A65-81438
- FREGLY, A. R.
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL
ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM
NASA-CR-63423 N65-26409
- COMPARATIVE EFFECTS OF PROLONGED ROTATION ON
POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND
DEFECTIVE HUMAN SUBJECTS
NASA-CR-63799 N65-28350
- QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS
PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM
UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES
NASA-CR-63803 N65-28540
- RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON
POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-64935 N65-33855
- COMPARATIVE EFFECTS OF PROLONGED ROTATION AT
10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-67122 N65-36440
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- FREIDBERG, I. M.
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS A65-18373
- STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984
- FREIDEL, V. R.
TELEMETRIC DEVICES FOR STUDY AND CONTROL OF
PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET
SPACE MISSIONS A65-80333

- FREIESLEBEN, H. C.
SHIP-BASED RADAR AND ASPECTS OF HUMAN
PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS RELATING
TO RADAR CONSTRUCTION AND PERFORMANCE A65-30136
- FREMLIN, J. H.
PROBABILITIES CONCERNING ORIGIN AND EVOLUTION OF
LIFE A65-81738
- FRENCH, J. D.
SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS
OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981
- SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF
PLANTS FOR USE IN BIOSATELLITE N65-23742
NASA-CR-62707
- FRENCH, N. R.
EFFECTS FROM CHRONIC EXPOSURE TO LOW LEVEL
IONIZING RADIATION ON DESERT ECOLOGICAL SYSTEM
UCLA-12-532 N65-10313
- FRENCH, R. L.
MONTE CARLO TECHNIQUES IN COMPARATIVE STUDY OF
RADIOACTIVE SOURCE FOR SIMULATING FALLOUT GAMMA
RADIATION FIELDS RRA-T45 N65-22222
- FRENK, S.
LIGHT MOTION PROCEDURE FOR VIEWING RETINAL CONES
NASA-CR-58190 N65-33714
- FRETZ, N. A.
DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY NASA-CR-156 N65-15546
- FREY, A. H.
BIOLOGICAL EFFECTS OF ATMOSPHERIC IONS WITH
ATTENTION TO EXPERIMENTAL CONTROLS AND
INSTRUMENTATION A65-18432
- INSTRUMENTATION AND EXPERIMENTAL CONTROLS NEEDED
TO STUDY PHYSIOLOGICAL EFFECTS OF ATMOSPHERIC IONS
A65-80582
- BEHAVIORAL BIOPHYSICS - ELECTROMAGNETIC RADIATION
AND RELATION TO BEHAVIOR OF ORGANISMS A65-81206
- SENSORY, MOTOR, CORTICAL, SUBCORTICAL AND
MORPHOLOGICAL EFFECTS OF ELECTROMAGNETIC
ENERGY REPT.-64-01 N65-12840
- FREYDBERG, I. M.
HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723
- FRIED, E.
SPACECRAFT STERILIZATION, DISCUSSING ENGINEERING
AND HEAT TRANSFER PROBLEMS IN ACHIEVING
STERILIZATION TEMPERATURE OF ENTRY AND LANDING
VEHICLES AIAA PAPER 65-427 A65-29377
- FRIED, R.
EXTRANEEOUS STIMULATION EFFECT ON VISUAL PERCEPTION
OF VERTICALITY - FAILURE TO REPLICATE A65-80855
- FRIEDEL, R. T.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE A65-82286
- FRIEDEL, W.
FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER
EXTREME PHYSICAL STRESS A65-80186
- FRIEDEN, E.
COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN
STRUCTURE AND FUNCTION OF COPPER ENZYMES
FSU-2690-21 N65-34320
- FRIEDLAND, S. S.
NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR
RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE
STUDIES A65-16780
- FRIEDMAN, M.
PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART
BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF
CLINICAL CORONARY ARTERY DISEASE A65-22904
- FRIEDMAN, M. P.
MARKOV CHAIN STIMULUS SEQUENCE ROLE EFFECT UPON
SIGNAL DETECTION IN PSYCHOPHYSIOLOGICAL FORCED
CHOICE TASK A65-14150
- LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR
OPPOSITE TO NOISE-ADAPTED EAR N65-19521
TR-24
- DETECTION OF PURE TONE EMBEDDED IN NOISE - MARKOV
CHAINS OF SIGNALS N65-21340
NASA-CR-57928
- FRIEL, C. M.
SENSORY DEPRIVATION EFFECT ON VISUAL RECOGNITION
THRESHOLDS A65-81933
- FRIEND, J. P.
DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF
PARTICULATE MATERIAL DURING OPERATION ROLLER
COASTER INCLUDING PERFORMANCE OF CASCADE
IMPACTORS AND FITTING OF DISTRIBUTIONS
AWRE-O-20/65 N65-28885
- FRIERSON, W. B.
USE OF PYRIDOXINE HYDROCHLORIDE IN ACUTE HYDRAZINE
AND UNSYMMETRICAL DIMETHYL HYDRAZINE /AEROZINE-50/
INTOXICATION IN MAN A65-81712
- FRIISCHAU, H.
BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
HUMAN SPLEEN SGA-E-BL-14 N65-20198
- FRIITS, H. W., JR.
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- FRIITZ, G.
OBJECTIVE REPRESENTATION OF STRESS IMPOSED IN
CIRCULATORY FUNCTION TESTS A65-81493
- FROHLICH, G.
HEARING DAMAGE IN PILOTS DUE TO BLAST TRAUMA
A65-80187
- FROLKIS, V. V.
AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764
- FROLOV, N. I.
EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON
LAND OR WATER ON ANIMAL ORGANISM A65-80440
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM N65-16405
- FROLOVA, A. V.
ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY
VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS,
QUALITATIVE AND QUANTITATIVE CHARACTERISTICS,
DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE
N65-26804
- FRONTALI, C.
INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEARTHERMOPHILUS ISS-64/47 N65-29209
- FRONTALI, L.
INTERACTION BETWEEN DNA AND RNA OF BACILLUS
STEARTHERMOPHILUS ISS-64/47 N65-29209
- FRUCHTER, B.
COMPONENT AND TOTAL TASK RELATIONS AT DIFFERENT
STAGES OF LEARNING COMPLEX TRACKING TASK
A65-81661

- FRY, D. L.
TIME DERIVATIVE OF PRESSURE RELATED TO
INSTANTANEOUS AORTIC BLOOD FLOW IN DOG
A65-82147
- FRY, F. J.
QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL
AND LATERAL MAMMILLARY NUCLEI AND RELATED
STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF
CAT BRAIN, NOTING ULTRASONIC LESIONS
A65-30738
- FRY, G. A.
FOCUSED AND STRAY LIGHT DISTRIBUTION ON RETINA
PRODUCED BY POINT SOURCE
A65-18219
- POSITIVE AFTERIMAGE AND MEASUREMENT OF LIGHT AND
DARK ADAPTATION
AD-610733
N65-27798
- FRY, W. J.
QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL
AND LATERAL MAMMILLARY NUCLEI AND RELATED
STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF
CAT BRAIN, NOTING ULTRASONIC LESIONS
A65-30738
- FRYER, T. B.
MINIATURE BIOPOTENTIAL TELEMTRY SYSTEM
A65-82204
- FU, K.
AET /S, 2-AMINOETHYLISOTHIOUREA-DI-HBR/ AS
RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA
URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS
A65-80741
- FUCHS-KITTOWSKI, K.
REGULATION OF CELLULAR METABOLISM, DETERMINISM IN
BIOLOGY, AND DIALECTIC RELATION OF AUTOMATON AND
LIFE
N65-26222
- FUDEL-OSIPOVA, S. I.
EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION
TO HYPOXIA IN AGING HUMANS
N65-17765
- FUHRMEISTER, H.
HYPOTHERMIA EFFECT ON EYE - CLINICAL,
BACTERIOLOGICAL, PATHOLOGICAL AND ANATOMICAL
FINDINGS
A65-81726
- FUJIE, Z.
MONITORING OF PILOT HEART RATE BY MULTI-CHANNEL
TELEMTRY DURING JET FLIGHT
A65-81436
- FUJIMORI, E.
MODIFIED PHYCOERYTHRIN SEPARATION FROM
PORPHYRIDIUM CRUENTUM TREATED WITH
P-CHLOROMERCURIBENZOATE AND INTERACTION WITH
GLUTATHIONE
A65-13547
- FUJIMURA, H.
G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE,
NEGATIVE, AND TRANSVERSE ACCELERATION
A65-81667
- FUKUSHIMA, T.
ELECTRON MICROGRAPHS OF THERMAL PROTEINOID
MICROSPHERES - BIOLOGICAL CELL MODEL
NASA-CR-52474
N65-16983
- FUMEUX, J.
STATISTICAL STUDY OF HEARING LOSS WITH AGE AND
MATHEMATICAL FORMULA DESCRIBING VARIATION IN
AUDITORY SENSITIVITY
A65-81221
- FUQUA, P. A.
REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS
AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE
A65-80755
- FURAYEVA, L. P.
ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642
- FURMAN, G. G.
RESPONSE OF CAT TO STIMULATION IN OLFACTORY TRACT
OF CEREBRAL CORTEX
REPT.-64-1
N65-14471
- FURMAN, K. I.
DYNAMIC CHANGES IN SWEAT ELECTROLYTE COMPOSITION
INDUCED BY HEAT STRESS AS INDICATION OF
ACCLIMATIZATION AND ALDOSTERONE ACTIVITY
A65-80958
- FURMANOWA, M.
RELATIONSHIP BETWEEN GEOLOGICAL AGE OF ALGAE AND
THEIR DISTRIBUTION / CHLORELLA, RHODOPHYTA, AND
PHAEOPHYTA/ - ALGAE AS POSSIBLE FOOD FOR
ASTRONAUTS AND FOR AIR PURIFICATION
FTD-TT-64-731/162
N65-27857
- FURRY, D. E.
INFLAMMATORY AND DEGENERATIVE LESIONS IN
APPARENTLY NORMAL SQUIRREL MONKEYS
NASA-CR-60193
N65-15139
- FURST, H.
RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS
A65-81300
- FUSON, R. L.
CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY
A65-81868
- FUSTER, J. M.
INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT
A65-82355
- FUTTERMAN, S.
VITAMIN A SYNTHESIS DURING LIGHT ADAPTATION OF
RETINA BY INTERACTION OF VISUAL CELL OUTER
SEGMENTS AND RETINAL MICROSOMES
A65-80585
- FUTTERWEIT, A.
ANALOG POWER SPECTRAL DENSITY ANALYSIS OF
ELECTRORETINOGRAM DATA
NASA-CR-64330
N65-30840
- G**
- GABRIEL, R. F.
LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344
N65-25675
- GABRIELLI, L.
EFFECT OF AMPHETAMINE ON NYSTAGMIC RESPONSE OF
RABBITS TO ROTATION-ACCELERATORY STIMULI
A65-82194
- GACEK, R. R.
HISTOCHEMICAL DEMONSTRATION OF
ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF VESTIBULAR BONES OF GUINEA PIGS
A65-81044
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
OF COCHLEA AND VESTIBULAR APPARATUS OF CAT
A65-82307
- GAEI, S.
SYSTEM MANNING REQUIREMENTS INFORMATION DESIRED
PRIOR TO BECOMING AVAILABLE UNDER PERSONNEL
SUBSYSTEM CONCEPT
A65-18292
- GAENSLER, E. A.
PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG
A65-80313
- GAERTNER, H.
EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND
CIRCULATION
A65-81718
- GAERTNER, L.
EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND

- CIRCULATION A65-81718
- GAFFRON, H.
ROLE OF LIGHT IN EVOLUTION - TRANSITION FROM ONE
QUANTUM TO TWO QUANTA MECHANISM A65-80489
- GAGGE, A. P.
HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF
COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT
EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT
ENVIRONMENT A65-24076
- METHOD FOR MEASUREMENT OF HUMAN HEAT EXCHANGE IN
COMPLEX RADIANT ENVIRONMENT A65-81063
- GAGLIARDI, U. D.
MAN-COMPUTER SYSTEM FOR TARGET DISCRIMINATION
PROBLEM SOLVING AD-607520 N65-11817
- GAGNE, G. A.
OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION
DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME
OF HUMAN PERFORMANCE NASA-CR-170 N65-17326
- GAIDO, P. C.
BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND
GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS
EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE
A65-80291
- ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE
POISONING IN DOGS A65-80292
- GAIDOVA, E. S.
BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
- GAINER, C. A.
PILOT EYE FIXATIONS WHILE FLYING MANEUVERS WITH
BOTH VERTICAL MOVING TAPE INSTRUMENTS AND ROUND
DIAL INSTRUMENT A65-30103
- GAISCH, H.
CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL
YEAST THROUGH COBALT 60 IRRADIATION SGAE-BL-12/1964 N65-22964
- GAITO, J.
ROLE OF NUCLEIC ACIDS AND OTHER MACROMOLECULES
IN COMPLEX BEHAVIOR, LEARNING, AND MEMORY
AD-616622 N65-30631
- GAJDOS, A.
ADENOSINE-5-MONOPHOSPHORIC ACID EFFECT ON
ERYTHROCYTE SURVIVAL IN LEAD OR PHENYLHYDRAZINE
POISONED RABBITS A65-80003
- GALBAN, P.
STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY
FROM 1951-1963 A65-80918
- GALE, H. J.
PROPERTIES OF LOG NORMAL DISTRIBUTION AND
APPLICATION TO RADIATION PROTECTION AERE-R-4736 N65-25647
- GALL, L. S.
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES
USING SPACE-TYPE DIETS AMRL-TR-64-107 N65-14829
- CULTURES OF ANAEROBIC ORGANISMS OF HUMAN WASTE
NASA-CR-52232 N65-16432
- HUMAN FECAL BACTERIA CULTURING AND ISOLATION, AND
METABOLIC EFFECTS OF NUTRITION IN DIGESTIVE
TRACT NASA-CR-57812 N65-21309
- HUMAN FECAL BACTERIA ISOLATION AND METABOLIC
STUDIES FOR NUTRITION IN DIGESTIVE SYSTEM
- NASA-CR-62108 N65-21390
- GALLAGHER, N.
LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- GALLEGO, J. L.
HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS
TO PERSONNEL MANAGEMENT A65-81783
- RESISTANCE TO HYPOXIA AND HYPOTHERMIA A65-81794
- BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS A65-81795
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG A65-81797
- STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81799
- PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS A65-81800
- VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS A65-81804
- CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS A65-81806
- INTERNATIONAL CONGRESS ON AVIATION AND SPACE
MEDICINE, HELD IN MADRID, OCTOBER 1962 A65-81807
- BARANY CHAIR TEST OF LABYRINTH FUNCTION AS
CRITERION FOR PILOT SELECTION A65-81808
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY
PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN
LINE OF DUTY A65-81809
- AGE LIMIT OF SPANISH MILITARY AND CIVILIAN PILOT
A65-81814
- DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS A65-81838
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81839
- GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS A65-81840
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT
ACCIDENT INVESTIGATION A65-81846
- GALLO, R. P.
JUDGMENT OF LOUDNESS OF TRIANGULAR TRANSIENTS AND
WHITE NOISE AS AFFECTED BY REPETITION RATE
A65-82295
- GALLOWAY, W. D.
INTENSE NOISE EFFECTS ON PROCESSING OF CUTANEOUS
INFORMATION OF VARYING COMPLEXITY A65-81558
- TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS
ON CUTANEOUS INFORMATION PROCESSING A65-81645
- GAMBAROVA, R. KH.
VESTIBULAR APPARATUS REGULATION OF BLOOD SUGAR
LEVEL N65-13660
- GAMBASHIDZE, G. M.
POSSIBILITIES OF HUMAN ADAPTATION TO DAY AND NIGHT
WORK SHIFT A65-81335
- GAMBINO, J. J.
PEROGNATHUS INVESTIGATED AS EXPERIMENTAL ORGANISM
FOR SPACE BIOLOGY RESEARCH

- NASA-CR-59706 N65-12413
RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL
AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378
INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL
ORGANISM FOR RESEARCH IN SPACE BIOLOGY -
REPRODUCTIVE CYCLES, BREEDING AND REARING IN
CAPTIVITY
NASA-CR-62556 N65-23002
REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847
- GAMBOA, R.
CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016
- GAMBURG, A. L.
ELECTROENCEPHALOGRAPH RECORDINGS FOR DETERMINING
INFLUENCE OF PHARMACOLOGICAL PREPARATIONS ON
BIOELECTRIC ACTIVITY OF BRAIN IN SCHIZOPHRENIA
FTD-TT-65-388/162 N65-26142
- GAMBURTSEV, V. A.
INSOLATION INFLUENCE ON RESPIRATION IN HUMAN BODY
N65-27427
- GANDELSMAN, A. B.
PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE
ANALYZER BY CONDITIONED REFLEX METHOD IN MAN
DURING ACUTE HYPOXEMIA AND HYPERCAPNIA
FTD-TT-62-1903/16264 N65-22061
- GANDER, M.
PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND
TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN
A65-80696
- GANNETT, J. R.
TEST PILOT VIEWPOINT OF AEROSPACE BIOENGINEERING
APPLIED TO CURRENT COMMERCIAL TRANSPORTS,
DISCUSSING FLIGHT DECK DISPLAYS, CONTROLS AND
HANDLING QUALITIES A65-14227
TEST PILOT VIEW OF AEROSPACE BIOENGINEERING AS
RELATED TO COMMERCIAL SUPERSONIC TRANSPORT DESIGN
A65-80134
- GANS, J. C.
PULMONARY ATELECTASIS IN JET PILOT CAUSED BY HIGH
G-FORCES, ANTI-G-SUIT, AND BREATHING OF PURE
OXYGEN A65-80034
- GANZ, L.
ANALYSIS OF SATIATION-FATIGUE MECHANISM OF FIGURAL
AFTER-EFFECTS A65-82257
- GAOS, C.
RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS
LACTATE IN MAN WITH PHYSICAL EXERCISE
A65-81904
- GARAIZABAL, A. D.
AIRCRAFT ACCIDENTS, ACCIDENT INVESTIGATION, AND
EVALUATION OF INJURIES SUSTAINED
A65-81815
- GARB, S.
HANDBOOK FOR PHYSICIANS FOR MANAGEMENT OF
DISASTERS INCLUDING AIRCRAFT ACCIDENTS
A65-81182
- GARBER, E. B.
RADIATION DOSE MEASUREMENTS AND SCREENING FOR
RADIATION PROTECTIVE COMPOUNDS OF LIVING CELLS -
BIODOSIMETRY N65-22288
- GARCIA-AUSTT, E.
EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING
ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY
IN MAN
AFOSR-64-1841 N65-16752
- GARCIA-CONDE, F. J.
MECHANISMS OF MORPHOLOGICAL AND FUNCTIONAL
CHANGES IN THE DIGESTIVE SYSTEM ASSOCIATED WITH
FLIGHT STRESS A65-81831
- GARCIA, J.
AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION A65-80055
CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930
- GARCIA, M. E.
BETA RADIATION PENETRATION DETERMINATION OF
STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS
THICKNESSES
REPT.-155 N65-31074
- GARDNER, G. R.
POTASSIUM PALLADO SULFITE METHOD FOR CARBON
MONOXIDE DETECTION A65-81275
- GARDNER, G. W.
ANABOLIC STEROID EFFECT ON PHYSICAL PERFORMANCE OF
YOUNG MEN A65-81919
- GARDNER, W. R.
WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326
- GARINTHER, G. R.
HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE
AND TECHNIQUES FOR ATTENUATION AT PERSONNEL
POSITIONS
TN-4-64 N65-14344
- GARNER, J. D.
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT A65-81375
HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7 N65-18409
SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756
- GARNETT, R. A. F.
THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY
HYPOXIA AND REBOUND A65-81171
- GARTNER, W.
TOPOGRAPHICAL STUDY OF THERMAL RADIATION
PROPERTIES OF HUMAN SKIN IN VIVO
A65-80006
THERMAL RADIATION OF SKIN AS FUNCTION OF
PERIPHERAL CIRCULATION AND COOLING IN MAN
A65-80007
- GASSEL, M. M.
SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT
DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN
CAT A65-82352
- GASTAUT, H.
VISUALLY-EVOKED POTENTIALS IN MAN RECORDED
TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE
SUFFERING FROM CEREBRAL DISEASES - CENTRAL
NERVOUS SYSTEM N65-28751
- GASTEVA, S. V.
MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT A65-80100
UPTAKE OF PHOSPHATE GROUP IN PHOSPHOLIPID
SYNTHESIS IN BRAIN AND LIVER OF RATS DURING
HYPOXIA AND POST-HYPOXIC STATE A65-80721
RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION

- SICKNESS N65-17810
- GATTIKER, H.
CARDIAC OUTPUT DURING REST AND PHYSICAL EXERCISE
IN MAN RELATED TO DIFFERENT TEST METHODS A65-82324
- GAUER, D. H.
FLUID METABOLISM AND CIRCULATION DURING AND AFTER
WEIGHTLESSNESS A65-26744
- GRAVITY EFFECT ON MAN - HISTORICAL REVIEW A65-81588
- GAY, V. L.
TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER A65-81134
- GAYDOVA, YE. S.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- GAYNE, W. J.
EQUATION ESTIMATING AURAL DETECTION DISTANCES
ASSOCIATED WITH GIVEN AERIAL VEHICLE NOISE LEVEL
AIAA PAPER 65-329 A65-32323
- GAYNOR, M. W.
DEPTH DISCRIMINATION FOR INTERMITTENT
STIMULI VIEWED BINOCULARLY MONOCULARLY
AND WITH ALTERNATING EYES A65-80249
- GAZENKO, O. G.
WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM
VOSKHOD FLIGHTS A65-25551
- PROLONGED WEIGHTLESSNESS AND RADIATION HAZARD
EFFECT ON PHYSIOLOGY OF COSMONAUTS ONBOARD
VOSKHOD I AND II A65-28943
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS
CONCERNING COSMIC RADIATION EFFECTS ON GENETIC
CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT
FLIES A65-30689
- BIOLOGICAL EFFECT OF WEIGHTLESSNESS AND
ACCELERATION EXPERIENCED IN SPACE FLIGHT A65-30693
- LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS A65-80086
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG
DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V
SATELLITES A65-80150
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
- STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS N65-13655
- BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT N65-13661
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
GRAVITATIONAL LOADS N65-14527
- MEDICAL AND PHYSIOLOGICAL RESEARCH DURING MANNED
FLIGHTS ABOARD VOSKHOD AND VOSTOK SPACECRAFT
N65-14599
- STUDIES IN MEDICINE AND PHYSIOLOGY DERIVED FROM
VOSTOK SPACECRAFT FLIGHTS
NASA-TT-F-9207 N65-14607
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS,
MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING
SUBORBITAL AND ORBITAL FLIGHT
NASA-TT-F-305 N65-17465
- CONTRIBUTION OF LABORERS, ENGINEERS, TECHNICIANS,
AND SCIENTISTS TO SPACE FLIGHT TECHNOLOGY AND
MEDICINE
FTD-TT-64-920/162 N65-20018
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS
JPRS-30893 N65-27809
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
- PHYSIOLOGICAL EFFECTS OF GRAVITATION AND
WEIGHTLESSNESS ON RUSSIAN COSMONAUTS -
DISCUSSION
NASA-TT-F-376 N65-29623
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA
PROCESSING IN SPACE BIOLOGY
NASA-TT-F-9514 N65-29740
- MEDICAL INVESTIGATIONS ON VOSKHOD AND
VOSKHOD II SPACECRAFT
NASA-TT-F-9539 N65-33801
- GAZIVODA, N.
ELECTROENCEPHALOGRAPHIC CHANGES DURING INDUCED
HYPERVENTILATION IN PILOTS A65-81165
- GEA, D. F. M.
ELECTROENCEPHALOGRAPHY AND PSYCHOLOGICAL TESTING
OF COMBAT PILOT UNIT A65-81811
- GEBEL, R. K. H.
THRESHOLD OF VISUAL PERCEPTION IN COMPARISON WITH
PHOTODETECTORS, QUANTUM ASPECTS, AND PROBLEMS OF
COLOR PERCEPTION
AD-611401 N65-33479
- GEBER, W. F.
EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND
VASODILATORS IN REACTIVE HYPEREMIA IN DOGS A65-81450
- GEDDES, I. A.
MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY A65-81312
- GEDDES, L. A.
NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND
DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND
AUSCULTATORY METHODS A65-10726
- ELECTROCARDIOGRAM SIGNAL AS LOGIC CIRCUIT
ACTUATOR FOR NUMERICAL BLOODPRESSURE INDICATOR
N65-16606
- GEE, H. K.
HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
ALGAE
SERL-64-8 N65-12782
- GEERAETS, W. J.
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS A65-81093
- GEHENIO, P. M.
MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE
AAL-TDR-63-26 N65-12189
- DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561
- GEILY, R.
PSYCHIATRIC SELECTION OF FLYING PERSONNEL A65-81369
- GEISSLER, H.-G.
SHORT-TERM ADAPTIVE PROCESSES DURING PERCEPTION OF
VERTICAL EXPLAINED BY PSYCHOPHYSICAL LINEAR
FEEDBACK MODEL A65-82235
- GEIWIETZ, P. J.
TIME ESTIMATION AND FUTURE TIME PERSPECTIVE IN
MALE AND FEMALE A65-81642

- GELDARD, F. A.
CUTANEOUS DISCRIMINATION OF MULTIPLE VIBRATORY
STIMULI OF VARYING PATTERNS A65-81376
- GELDER, M. G.
NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER
TWO CODING CONDITIONS A65-82113
- GELFAND, I. M.
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM
A65-80749
- GELLERSHTEYN, S. G.
USE OF ANTICIPATING PROCESSES IN FLIGHT ACTIVITY
FOR SELECTION AND TRAINING OF PERSONNEL AND
CONTROL OF ACCIDENTS N65-13662
- GELLY, R.
AVIATION PSYCHOLOGY IN FRENCH AIR FORCE
A65-81368
- GELMAN, B. L.
FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL,
AND GASTROINTESTINAL DISEASES - PERSONNEL
SELECTION N65-13732
- GENERALES, C. D. J., JR.
MANS ADAPTATION TO WEIGHTLESSNESS, NOTING
ASTRONAUT VULNERABILITY AND REQUIREMENT OF MEDICAL
CARE IN SPACE A65-35107
- GENIN, A. M.
PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE
SUPPORT SYSTEMS OF VOSTOK AND VOSKHOD SPACE
SHIPS A65-29942
- LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD
MANNED SPACECRAFT
NASA-TT-F-9424 N65-27710
- GENNARI, C.
INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND
ELDERLY SUBJECTS A65-81548
- GEODAKYAN, V. A.
CONTROL PROCESSES IN LIVING ORGANISMS - CYTOLOGY
AND SEX FACTOR DETERMINATION AND CONTROL
N65-32560
- ROLE OF SEXES IN TRANSMISSION AND CONVERSION
OF GENETIC INFORMATION N65-32583
- GEORGESCU, L.
EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- GEORGIADIS, M.
ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE
EXPOSED TO LETHAL DOSES OF X-RADIATION
A65-81033
- GEORGIYEVSKIY, V. S.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- GERARDIN, L.
RADAR TARGET TRACKING PERFORMANCE FOR PLAN
POSITION INDICATOR DISPLAY AND AUTOMATIC COMPUTER
A65-11895
- GERASIMOV, V. D.
EFFECT OF POTASSIUM ION CONCENTRATION ON
ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES
OF GRAPE SNAIL N65-32661
- GERATHEWOHL, S. J.
PROLONGED WEIGHTLESSNESS AND ITS EFFECT ON
ASTRONAUTS A65-29101
- ROLE OF MAN IN EXPLORATION OF SPACE
A65-80813
- PSYCHOLOGY OF MOON FLIGHT - HUMAN TOLERANCE TO SPA
FLIGHT STRESS AND LIFE SUPPORT SYSTEMS
- A65-81611
- HUMAN RESPONSES TO WEIGHTLESSNESS - ANALYSIS OF
ASTRONAUT BIOMEDICAL DATA FROM MERCURY PROJECT
FLIGHTS
NASA-TM-X-51935 N65-29487
- PHYSIOLOGICAL FUNCTIONS IN LOW GRAVITY STATES -
MAJOR PROBLEMS OF WEIGHTLESSNESS SIMULATION ON
EARTH N65-33629
- GERD, M. A.
EFFECT OF LIMITED MOBILITY ON BODY DURING SPACE
FLIGHT - MOTOR BEHAVIOR, MENTAL STATE, PHYSICAL
FUNCTIONS, AND WEIGHTLESSNESS N65-13663
- GERD, M. G.
GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM
ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION
N65-23444
- GERENCSEI, V. F.
INHIBITION OF BACTERIA, SERRATIA MARCESCENS AND
STAPHYLOCOCCUS AUREUS, IN MAGNETIC FIELDS OF HIGH
PARAMAGNETIC STRENGTH A65-80428
- GERMELES, A. E.
LUNAR WATER EXTRACTION PROCESSES AND TYPES OF
DEPOSITIONS A65-34271
- GERMOND, H. H.
COMPRESSION OF EEG TELEMETERED DATA TO ANALYZE
SPECTRAL DISTRIBUTION OF BRAIN WAVE ACTIVITY,
USING MOVING AVERAGE BANDPASS FILTERS
A65-24193
- GERSCHMAN, R.
BIOLOGICAL EFFECTS OF OXYGEN - A REVIEW
A65-80365
- GERSHUNI, G. V.
NEUROPHYSIOLOGICAL MECHANISMS EFFECT ON EXTERNAL
SIGNAL DISCRIMINATION
NASA-TT-F-307 N65-14947
- GERTLER, M. M.
PHYSICAL EXERCISE AND FAT INTAKE IN
RELATION TO SERUM LIPIDS AND ENZYMES
A65-80221
- GESELEVICH, A. M.
NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD
EFFECTS IN DOGS AND ANIMALS DURING
ELECTRONARCOSIS
JPRS-31018 N65-28808
- GETLER, M.
THERMAL MANIKIN FOR SIMULATION OF ASTRONAUT
THERMOREGULATION SYSTEM AND SPACE SUIT DESIGN
A65-81388
- GETZKIN, A. J.
SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS
FUNCTION OF MAINTAINING SPACE CREW PHYSICAL
FITNESS A65-81966
- GHATA, J.
BIOLOGICAL RHYTHMS IN PLANTS, VERTEBRATES, AND
INVERTEBRATES A65-80128
- GHIDONI, J. J.
EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887
- MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679
- GHOSH, S. N.
PERCEPTUAL MOTOR SPEED AS RELATED TO ACCIDENT
PRONENESS A65-82313
- GIAMMONA, S. T.
EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE
ON PULMONARY SURFACTANT IN MAMMALS
A65-81898

- GIANCARLO, H.
POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- GIBBS, C. B.
COMPARISON OF FREE-MOVING AND PRESSURE LEVERS IN
POSITIONAL CONTROL SYSTEM DURING PURSUIT TRACKING
TASK
A65-80943
- TESTS OF FUNCTION OF PROPRIOCEPTION - INTERACTION
BETWEEN PROPRIOCEPTION AND VISION
A65-81002
- PURSUIT TRACKING PERFORMANCE RELATED TO
CONTROL-DISPLAY COMPATIBILITY, HANDEDNESS, SEX AND
PROBABILITY
A65-82111
- GIBBS, W. D.
LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS
N65-25663
- FORTAN PROGRAM FOR IBM 1620 COMPUTER TO
CALCULATE ISORESPONSE AND VOLUME RESPONSE OF
DETECTOR-COLLIMATOR SYSTEM
N65-25664
- GIBSON, R. S.
MODIFIABILITY OF DECISIONS MADE IN CHANGING
ENVIRONMENTS - HUMAN BEHAVIOR
ESD-TR-64-657
N65-17007
- GIBSON, W. A.
REDUCTASE ACTIVITY AND SULFHYDRYLS IN
DEHYDROGENASE HISTOCHEMISTRY OF HUMAN GINGIVA
SAM-TDR-64-48
N65-12007
- SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30
N65-25204
- REFINEMENT OF GUTTMAN CORRELATION MATRIX TO
OBTAIN NONLINEAR REGRESSION SCORES - PSYCHOLOGY
AD-609676
N65-29152
- GIFFEN, M. B.
ACUTE MENTAL BREAKDOWN IN AIRMEN DURING BASIC
TRAINING
A65-82225
- GIFFIN, C. E.
EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-15153
- EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-22137
- GILAT, T.
PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM
A65-80898
- GILBERT, D. L.
EVOLUTION OF THE ATMOSPHERES OF THE EARTH AND
PLANETS
A65-80370
- EFFECT OF EVOLUTION OF EARTH ATMOSPHERE ON
PRESENCE OF BIOSPHERE ON EARTH
A65-81451
- GILBERT, G. A.
INSTRUMENTATION FOR EVALUATING ANIMAL RESPONSE TO
STIMULI IN SPACE ENVIRONMENT BY OPERANT
CONDITIONING METHOD
A65-10734
- ZERO GRAVITY FOOD PELLET DISPENSER FOR PRIMATES
IN LONG-TERM SPACE FLIGHT
ARL-TR-64-15
N65-11415
- OPERANT CONDITIONING APPARATUS FOR ANIMAL BEHAVIOR
STUDY
N65-16614
- WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING
AUDITORY PERCEPTION IN HUMANS
ARL-TR-65-5
N65-26237
- GILBERT, R.
CARDIAC FUNCTION DURING EXERCISE AS RELATED TO
DISEASE
A65-80555
- GILBERT, R. R.
EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF
RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT
BTI-64-1
N65-12090
- GILDEN, L.
ELECTROMYOGRAPHIC AND MICROSWITCH MEASURES OF
AUDITORY REACTION TIME COMPARED
A65-81561
- GILDENBERG, P. L.
VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND
BASAL GANGLIA IN CATS
A65-80839
- GILDERSLEEVE, K. R.
INTENSE NOISE EFFECTS ON PROCESSING OF CUTANEOUS
INFORMATION OF VARYING COMPLEXITY
A65-81558
- GILINSKIY, V. YA.
SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS
N65-13664
- EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- GILLIAM, J. J.
AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEYI/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT
A65-81499
- GILLIS, C. N.
ALTERED CARDIAC MUSCLE TISSUE RETENTION OF
EXOGENOUS NORADRENALINE PRODUCED BY STRESS IN
YOUNG RABBITS
A65-82316
- GIMELSHTEIN, YE. KH.
CYBERNETICS, ANIMAL BEHAVIOR, HUMAN THINKING, AND
MACHINE DEVELOPMENT
JPRS-31124
N65-28732
- GINET, J.
ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING
PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338
- SOMESTHETIC POTENTIAL MEASUREMENT OF RATS AND CATS
ONBOARD ROCKETS EMPHASIZING SENSOR EMPLACEMENT,
ANIMAL TRAINING AND RADIO TRANSMISSION
A65-26600
- ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- AUTONOMIC REACTIONS OBSERVED IN CATS DURING
VERONIQUE ROCKET FLIGHT
A65-80916
- GINZBURG, D. A.
CHANGES IN BIOELECTRIC CEREBRAL ACTIVITY AND
CERTAIN VEGETATIVE VASCULAR REACTIONS RESULTING
FROM ACTION OF NOISE
A65-81191
- GIPPENREITER, IU. B.
METHODS FOR MEASURING AND REGISTERING EYE TREMOR
A65-80046
- INTRINSIC EYE MOVEMENT NOISE DURING VISUAL TASK
A65-80048
- GIRNTH, H.
OXYGEN DEFICIENCY INDUCED SYMPTOMS IN AIRCRAFT
PERSONNEL AND PARACHUTE JUMPERS AT DIFFERENT
ALTITUDES
A65-22759
- GITELZON, I. I.
GLUCOSE CONSUMPTION BY LUMINESCENT BACTERIA
DETERMINATION - ENERGY CORRELATIONS BETWEEN
BIOLUMINESCENCE AND RESPIRATION OF LUMINESCENT
BACTERIA
N65-25030
- GIUMARRO, C.
TERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON
SPECIMENS OF EUPHORBIA XYLOPHYLLOIDES IN AMMONIA

- METHANE HYDROGEN-RICH ATMOSPHERES
A65-23486
- SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS
IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY
OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER
A65-81287
- GIUNTINI, C.
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN
A65-81892
- GIURDZHIAN, A. A.
WEIGHTLESSNESS EFFECTS ON MAN WITH DATA FROM
VOSKHOD FLIGHTS A65-25551
- GIVONI, B.
NEW ENVIRONMENTAL INDEX FOR EVALUATION OF
INFLUENCE OF WORK AND ENVIRONMENTAL CONDITIONS ON
THERMOREGULATION IN MAN A65-90903
- GJAEVENES, K.
SOUND LOCALIZATION IN FREE FIELD AND INTERAURAL
THRESHOLD DIFFERENCES A65-80037
- GLANZER, P.
ENCODING IN PERCEPTUAL /VISUAL/ SERIAL POSITION
EFFECT
AD-609101 N65-14083
- MECHANISM FOR ENCODING, PROCESSING AND STORAGE OF
PERCEPTUAL CONFORMATION IN PROBLEM SOLVING
AD-463786 N65-28999
- GLASER, P. E.
LUNAR WATER EXTRACTION PROCESSES AND TYPES OF
DEPOSITIONS A65-34271
- GLASER, R.
BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM -
HUMAN PERFORMANCE
AMRL-TR-64-108 N65-19150
- LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION
AMRL-TR-64-114 N65-19602
- REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED
INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128 N65-21048
- PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129 N65-24418
- GLASS, W.
RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE
PERMEATION
AMRL-TDR-64-73 N65-12040
- GLEMBOTSKIY, Y. L.
SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490
- GLENN, W. G.
TELEMETRIC UNIVERSAL SENSOR / TELUS/ FOR
MONITORING ELECTRICAL OR ELECTROMAGNETIC OUTPUTS
FROM FIELD SENSING INSTRUMENTS A65-24202
- TELUS- TELEMETRIC UNIVERSAL SENSOR FOR SPACE AND
TERRESTRIAL USE BY RECEIVING, STORING, AND SENDING
TELEMETED DATA A65-81311
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678
- GLEZER, V. D.
HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP
ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN
SPACE PHYSIOLOGY
NASA-TT-F-9426 N65-27712
- GLICK, J. A.
AUTOKINETIC MOTION AND SPACE LOCALIZATION IN
RELATION TO AUDITORY PERCEPTION
A65-81318
- GLORIG, A.
PREDICTING HEARING LOSS FROM NOISE-INDUCED
TEMPORARY THRESHOLD SHIFT A65-80838
- GLOTOVA, K. V.
CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS
NOISE
T-411-R N65-15577
- GLUBRECHT, H.
BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON
SEEDS OF BARLEY AND LILUM REGALE
A65-80843
- GLUCKSBERG, S.
INTERACTION OF LIMITED VARIABLES IN SEQUENTIAL
MEMORY TASKS WITH CHANGING INFORMATION AND
INTERFERENCE EFFECTS IN VERY SHORT-TERM MEMORY
AROD-5038-2 N65-30099
- GLUSHKOV, B. S.
MORPHOLOGICAL CHANGES IN NERVOUS SYSTEM OF ANIMALS
SUBJECTED TO LATERAL ACCELERATIONS
N65-13666
- GOBLE, G. J.
HUMAN ROTATIONAL TOLERANCE DETERMINED FROM
EQUILIBRIUM AND WALKING CHANGES AT 5, 7-1/2, 10
AND 12 RPM IN REVOLVING SPACE STATION
SIMULATOR A65-22905
- EQUILIBRIUM AND WALKING CHANGES OBSERVED IN
REVOLVING SPACE STATION SIMULATOR
A65-80947
- GODDEN, W. R.
HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP
UNDER KNOWN ENVIRONMENTAL CONDITIONS
AFWL-TR-65-109 N65-34145
- GODDING, R. M.
HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO
SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM
A65-11401
- CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506
- GOERISCH, V.
POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE
JPRS-32340 N65-36205
- GOETZ, A.
BIOCOLLOIDAL MATTER IN ATMOSPHERE
N65-23987
- GOFFEAU, A.
PHOTOSYNTHESIS AND VIRUS MULTIPLICATION IN LEAVES
OF BRASSICA CHINENSIS L INDUCED BY RIBONUCLEIC
ACID
EUR-1648.F N65-36376
- GOFMAN, J. W.
MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE
UCRL-12389 N65-19461
- GOGEL, W. C.
ECUIDISTANCE TENDENCY IN DEPTH PERCEPTION AND ITS
APPLICATION TO MOON ILLUSION AND OTHER VISUAL
PROBLEMS
A65-82039

- SIZE CUES AND ADJACENCY PRINCIPLE IN PERCEPTION OF
RELATIVE DEPTH A65-82057
- RELATION BETWEEN PERCEIVED SIZE, RETINAL SIZE, AND
DEPTH PERCEPTION AM-64-13 N65-16185
- PROBLEMS IN VISION DEPTH PERCEPTION TO INVESTIGATE
IN MOON ILLUSION - EQUIDISTANCE TENDENCY AND
CONSEQUENCES AM-65-11 N65-33981
- GOGGEL, K. H.**
ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE A65-80326
- GOGIN, S. A.**
BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY STL-9990-6737-KU-000 N65-19834
- GOLD, J.**
PATHOLOGIC AND PHYSIOLOGIC EFFECTS OF HEAT
EXPOSURE IN MAN A65-80497
- GOLDBAUM, L. R.**
BIOLOGIC SPECIMENS ANALYZED FOR PRESENCE OF
THERAPEUTIC CONCENTRATIONS OF BASIC DRUGS, USING
GAS-LIQUID CHROMATOGRAPHY, CHEMICAL TESTS, ETC
A65-29067
- GOLDBERG, D. M.**
ENZYME ACTIVITY INDICATING LIVER CHANGES DUE TO
ALCOHOL INGESTION A65-82098
- GOLDBERG, S.**
PROCEDURAL CONSTRAINT AND TASK PERFORMANCE -
ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING
ESD-TR-64-663 N65-22466
- GOLDBERG, YE. D.**
ALTERATIONS IN RED BLOOD CORPUSCLES FROM CHRONIC
ACTION ON HUMAN ORGANISM OF SMALL DOSES OF
IONIZING RADIATION FTD-TT-63-784/1 N65-10982
- GOLDBURY, S. N.**
NEURODYNAMICS OF HUMAN AUDITORY SYSTEM JPRS-28308 N65-14748
- GOLDFIEN, A.**
CARDIOVASCULAR RESPONSES MEDIATED BY
SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80075
- GOLDIN, N. A.**
DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL
AFFLICTED WITH ATHEROSCLEROSIS N65-13733
- GOLDMAN, B. S.**
TRANSFER OF INCREASED TOLERANCE TO LOW BODY
TEMPERATURES IN GUINEA PIGS, DOGS AND RABBITS BY
HETEROLOGOUS TRANSPLANTATION OF BROWN FAT AND
INFUSION OF PLASMA FROM HIBERNATING GROUNDHOGS
A65-81460
- GOLDMAN, J. K.**
SYMPATHETIC NERVOUS SYSTEM FUNCTION REVEALED BY
PLASMA FREE FATTY ACID RESPONSES TO TILTING
FOLLOWING WATER IMMERSION A65-81136
- GOLDMAN, L.**
DERMATOLOGIC MANIFESTATIONS OF LASER RADIATION IN
HUMANS A65-81097
- GOLDMAN, M. I.**
REENTRY OF FRAGMENTS OF HIGH POWER DENSITY NUCLEAR
ROCKET REACTOR N65-10875
- GOLDMAN, R. F.**
HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID
ENVIRONMENT A65-80305
- TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN
A65-80676
- SOLUTIONS FOR PROTECTION OF SOLDIERS EXPOSED TO
EXTREME COLD WEATHER CONDITIONS IN ARCTIC
AD-613189 N65-25924
- GOLDSHTEIN, M. M.**
ELECTRICAL PARAMETERS MEASURED FOR DETERMINING
INFLUENCE OF IONIZING RADIATION ON
SUBMICROSCOPIC STRUCTURE OF STRIATED FROG
MUSCLES N65-26382
- GOLDSMITH, W. M.**
DESTRUCTION OF STEREOPSIS - THREE THEORIES OF
STEREOPSIS A65-80025
- GOLDSTEIN, A.**
PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN -
DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED
WAKEFULNESS A65-81715
- GOLDSTEIN, B.**
BIOLOGICAL EFFECTS OF LASER RADIATION AND CONTROL
OF RADIATION HAZARDS A65-81091
- GOLDSTEIN, I. L.**
INFLUENCE OF EXPERIENCE AND INPUT INFORMATION
FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN
SIMULATED THREAT-DIAGNOSIS SYSTEM AMRL-TR-65-25 N65-27188
- GOLDSTEIN, K. M.**
STIMULUS REINFORCEMENT DURING SENSORY DEPRIVATION
A65-81560
- GOLDSTEIN, M.**
HUMAN PERFORMANCE ON CONTINGENT DISCRIMINATION
TASK A65-82336
- GOLITSYN, G. A.**
VARIATIONAL PRINCIPLES IN BEHAVIOR OF LIVE
ORGANISMS N65-34752
- GOLOV, G. A.**
POSTERIOANTERIAL TRANSVERSE ACCELERATION OF
MAXIMAL DURATION A65-80393
- EFFECT OF INCLINED POSITIVE ACCELERATION ON
HUMAN EXTERNAL RESPIRATION A65-80398
- GOLOVAN, E. T.**
ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN
MENTAL PROCESS AND LEARNING SYSTEM JPRS-30156 N65-24231
- CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351
- GOLOVKINA, A. V.**
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS
ON BONE MARROW CELL DIVISION OF MICE A65-32303
- EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW
CELLS IN MICE A65-82078
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM NASA-TT-F-9425 N65-27711
- GOLUBENTSEV, D. A.**
PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION A65-81767
- GOLUEKE, C. G.**
CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE
FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND
ALGATRON SYSTEMS A65-33150
- HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
ALGAE

- SERL-64-8 N65-12782
RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655
- GOMEZ-CABEZAS, P.
VISUAL PROBLEMS OF SPANISH AIRLINE PILOTS
A65-81785
- GOMEZ, F. C.
RESISTANCE TO HYPOXIA AND HYPOTHERMIA
A65-81794
BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS A65-81795
HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG A65-81797
STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81799
PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS A65-81800
ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803
VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS A65-81804
CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS A65-81806
DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS A65-81838
GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS A65-81840
EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842
GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT
ACCIDENT INVESTIGATION A65-81846
- GOMEZ, M.
PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND
NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING
AND INSULIN A65-82168
- GONG, J. K.
ALTITUDE ACCLIMATIZATION EFFECTS SKELETAL BONE AND
BONE MARROW IN DOGS A65-81475
- GONZALEZ, B. K.
CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES
IN MULTIPLE TASK PERFORMANCE A65-81563
- GONZALEZ, F. W.
INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS
AAL-TDR-63-39 N65-18971
- GONZALEZ, I. G.
DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS A65-81838
EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842
- GOOCH, P. C.
GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF
ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD
CELLS N65-36114
- GOOD, I. J.
EXTRATERRESTRIAL LIFE, ULTRA-INTELLIGENT MACHINES
AND SPACE EXPLORATION A65-82208
- GOODEN, B. A.
PROLONGED SPACE FLIGHT EFFECTS ON CARDIOVASCULAR
SYSTEM, ASCERTAINING MECHANISM AND CAUSES OF
ORTHOSTATIC HYPOTENSION A65-23461
- GOODENOUGH, D. R.
GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS A65-82046
DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM
RAPID EYE MOVEMENT SLEEP A65-82223
- GOODMAN, J. R.
SPACE SUIT DESIGN RELATIONSHIP TO LUNAR SURFACE
AND FREE SPACE HAZARDS EFFECT ON APOLLO
EXTRAVEHICULAR MOBILITY UNIT / EMU/ AND HUMAN
PHYSIOLOGY A65-26982
LUNAR EXPLORATION SPACE SUIT DESIGN FOR
EXTRAVEHICULAR OPERATION A65-81392
- GOODMAN, M. W.
ALTITUDE DECOMPRESSION SICKNESS TREATED WITH
COMPRESSION TO 2-6 ATMOSPHERES ABSOLUTE,
CONSIDERING BUBBLE EMBOLUS HYPOTHESIS A65-14238
DECOMPRESSION SICKNESS TREATED WITH COMPRESSION
A65-80146
- GOODMAN, R.
CASE HISTORY OF AEROEMBOLISM TREATED BY
HYPOTHERMIA A65-81523
- GOODWIN, P. E.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE A65-82286
- GOODY, R. M.
MARS ATMOSPHERE PROBLEMS RELATED TO CHEMICAL
COMPOSITION AND PHYSICAL PROPERTY A65-80869
- GOPFERT, H.
TOPOGRAPHICAL STUDY OF THERMAL RADIATION
PROPERTIES OF HUMAN SKIN IN VIVO A65-80006
THERMAL RADIATION OF SKIN AS FUNCTION OF
PERIPHERAL CIRCULATION AND COOLING IN MAN
A65-80007
- GORBOV, F. D.
FUNCTIONAL CHANGES IN MAN DURING PROLONGED
ISOLATION N65-13667
- GORDON, D. A.
HUMAN SPACE PERCEPTION ANALYSIS SHOWING THAT
INTERPRETIVE SCALING OF VISUAL ANGLE IS KEY FACTOR
IN SIZE, DISTANCE AND MOTION ESTIMATION A65-35345
- GORDON, L. K.
SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF
GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND
CUCUMBER SEEDS AND WHEAT GRAINS A65-35816
EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL
PROCESSES IN GERMINATION OF SEED IN SOME HIGHER
PLANTS ABOARD VOSTOK SPACECRAFT A65-81595
BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
PHYSIOLOGICAL PROCESSES IN GERMINATION AND
SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941
- GORDON, L. V.
CROSS GROUP STABILITY OF PEER RATINGS OF
LEADERSHIP POTENTIAL A65-81589
- GORDON, S. A.
TRANSVERSE ELECTRIC POTENTIAL IN PLANT ORGANS
AFTER REORIENTATION FROM VERTICAL TO HORIZONTAL
POSITION A65-24779
- GORDON, T. P.
PARADOXICAL SLEEP AND RELATION TO DEPRIVATION IN
CAT A65-81157
- GORDON, Z. V.
PROBLEMS OF INDUSTRIAL HYGIENE AND BIOLOGICAL

- EFFECT PRODUCED BY RADIO WAVES OF DIFFERENT BANDS
A65-80065
- BIOLOGICAL EFFECTS ON CENTRAL NERVOUS SYSTEM
PRODUCED BY RADIO WAVES IN INDUSTRIAL PROCESSES
N65-10122
- GOREN, S.
WEIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM
DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO
ACCELERATIVE FORCE
A65-82149
- GORFEIN, D. S.
SIMPLE AND DISJUNCTIVE REACTION TIME, RORSCHACH
DATA, ORIENTATION, COMMUNICATION, AND ROLE OF
MOTIVATION IN PROLONGED SLEEP DEPRIVATION
A65-80020
- GORGILADZE, G. I.
MECHANISM OF RECIPROCAL ACTION OF VESTIBULAR
APPARATUS IN CATS
A65-80437
- GORLANOVA, T. T.
HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND
TRAINING OF FLIGHT PERSONNEL
N65-13753
- GORLIN, R.
EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR
VOLUME AND OXYGEN CONSUMPTION IN MAN
A65-82326
- GORLOV, O.
PROBLEMS OF SPACE BIOLOGY AND MEDICINE - SPEED
AND ACCELERATION, WEIGHTLESSNESS, BIOSPHERE, FOOD
SUPPLY, HUMAN FACTORS, COSMIC RADIATION
FTD-MT-63-200
N65-18427
- GORMAN, H. A.
BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS
UNDER REAL AND SIMULATED FLIGHT CONDITIONS
A65-10725
- BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT
N65-16605
- GORODETSKAYA, S. F.
MICROWAVE IRRADIATION EFFECT ON BREEDING,
PERIPHERAL BLOOD COMPOSITION. CONDITIONED REFLEX
ACTIVITY AND MORPHOLOGY OF INTERNAL ORGANS OF
WHITE MICE
A65-20935
- ELECTROMAGNETIC FIELD EFFECT ON REPRODUCTION,
COMPOSITION OF PERIPHERAL BLOOD, REFLEX ACTIVITY
AND MORPHOLOGY OF INTERNAL ORGANS - ANIMAL STUDY
N65-28706
- GORODETSKIY, A. A.
ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF
CESIUM 134 FROM ANIMALS
JPRS-27544
N65-11249
- MECHANISM OF BIOLOGICAL ACTION OF ULTRASOUND
AND SUPERHIGH FREQUENCY ELECTROMAGNETIC
OSCILLATIONS - ACOUSTIC MEASUREMENTS OF
STRUCTURAL AND FUNCTIONAL CHANGES IN PHYSIOLOGY
JPRS-30860
N65-28700
- BIOLOGICAL EFFECT OF NEUTRON RADIATION - NEUTRON
DOSIMETRY AND RADIOBIOLOGY
JPRS-31822
N65-35016
- GORSHKOV, A. I.
SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS
A65-80089
- GORTEN, R. J.
MEASURING CARDIAC OUTPUT OF EXERCISING SUBJECTS
WITH SMALL, LIGHTWEIGHT PRECORDIAL COUNTER FOR
1125 ALBUMEN
A65-82171
- GOSK, A.
CEREBRAL BLOOD FLOW DURING CHANGES IN BODY
POSITION IN DOGS
A65-81858
- GOSZCZ, W.
EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND
CIRCULATION
A65-81718
- GOTOH, F.
ELECTROENCEPHALOGRAPHIC CHANGES DURING
HYPERVENTILATION IN MAN
A65-81080
- GOTTA, H.
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT
THYROID TUMORS
REPT.-129
N65-23729
- GOTTESBERGE, A. M. Z.
DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF
COCHLEA
A65-82130
- GOTTLIEB, J. S.
DEVELOPMENT OF SELECTION TEST FOR MOTIVATIONAL
APTITUDE - PSYCHOPHYSIOLOGY
NASA-CR-156
N65-15546
- GOUCHER, C. R.
HYDROGEN GENERATION FROM SUGARS AND NATURAL
PRODUCTS BY MICROORGANISMS - BIOCHEMICAL FUEL
CELL
REPT.-10
N65-24964
- GOULD, E. S.
CHEMICAL INHIBITION OF PHOTOSYNTHETIC CARBON
REDUCTION CYCLE IN CHLORELLA PYRENOIDOSA
A65-81762
- GOULD, J. D.
EYE MOVEMENT PATTERNS AS FUNCTION
OF PREVIOUS TACHISTOSCOPIC PRACTICE
A65-80247
- SENSORY-FEEDBACK ANALYSIS OF BEHAVIOR IN
STEREOTELEvised VISUAL FIELD
A65-80344
- STEREOSCOPIC TELEVISION PURSUIT TRACKING WITH
COMPARISON OF AIDED AND DIRECT TRACKING SYSTEMS
A65-80345
- DIFFERENTIAL VISUAL FEEDBACK OF COMPONENT MOTIONS
A65-80854
- EYE-MOVEMENT PATTERNS IN SCANNING NUMERICAL
DISPLAYS RELATED TO INFORMATION PROCESSING
A65-81007
- GOULD, J. S.
ELECTRONIC BLOOD PRESSURE MEASURING SYSTEM FOR
MERCURY PROJECT
NASA-CR-65057
N65-29782
- GOURAS, P.
CONE ACTIVITY IN LIGHT-INDUCED DC RESPONSE OF
MONKEY RETINA
A65-81494
- GOVARDOVSKIY, V. I.
STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655
- ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE
N65-35152
- GOVORUN, R. D.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781
- GOWDEY, C. W.
ETIOLOGY AND TREATMENT OF EXPERIMENTAL
DECOMPRESSION SICKNESS WITH SPECIAL REFERENCE TO
BODY LIPIDS IN RATS
A65-81585
- GOWEN, R. J.
PULSE DURATION MODULATION SYSTEM FOR LIFE SCIENCE
TELEMETRY
N65-16622
- GOZULOV, S. A.
EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON
LAND OR WATER ON ANIMAL ORGANISM
A65-80440
- PHYSIOLOGICAL REACTIONS TO SHOCK OVERLOADS AT HIGH
LANDING SPEEDS
N65-13668
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM
N65-16405

PERSONAL AUTHOR INDEX

GRAYBIEL, A.

- GRAF, G.
BIOCHEMICALS USED IN CARBON DIOXIDE SEPARATION
IN AEROSPACE VEHICLE ATMOSPHERE REGENERATION
PROCESSES
QTR-3 N65-25572
- GRAFF, J.
LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- GRAFNETTER, D.
CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART
A65-81383
- GRAFNETTEROVA, J.
CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART
A65-81383
- GRAHAM, B.
HILL REACTION ACTIVITY ON SOLUBLE CHLOROPLAST
EXTRACTS - STORAGE STABILITY, LIGHT ABSORPTION,
USE OF DIGITONIN FOR PREPARATION OF FRAGMENTS
NASA-CR-52090 N65-16984
- GRAHAM, D.
DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- GRAHAM, M. H.
INSTRUMENTATION PROGRAM AND DATA ACQUISITION
DETAILS OF NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE LIBRARY N65-28776
- GRAHAM, W. R.
DIVERSITY OF PARTICIPATION IN ACTIVITIES AND
CREATIVITY OF AIR FORCE OFFICERS
A65-81245
- GRAHN, D.
RADIATION SAFETY INFORMATION FOR USE IN
ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE
SYSTEMS A65-80633
- RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT
N65-34581
- GRAICHEN, H.
TELEMETERING HYPOTHALAMIC TEMPERATURES OF
UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT
ENVIRONMENTS A65-80682
- GRANDE, F.
NITROGEN METABOLISM AND BODY TEMPERATURE IN MAN
UNDER COMBINED RESTRICTION OF FOOD AND WATER
DURING EXERCISE IN AIR CONDITIONED ROOM
A65-80969
- GRANDJEAN, E.
NICOTINE AND CHOLESTEROL EFFECTS ON SWIMMING
PERFORMANCE, BODY WEIGHT, MORTALITY, AND
ATHEROMATOSIS IN RATS A65-80936
- GRANDPIERRE, R.
ELECTROCORTICAL ACTIVITY IN RATS AND CATS DURING
PERIODS OF WEIGHTLESSNESS IN AIRCRAFT AND ROCKETS
A65-26338
- ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- AUTONOMIC REACTIONS OBSERVED IN CATS DURING
VERONIQUE ROCKET FLIGHT A65-80916
- CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848
- GRASSI, J.
PURSUIT ROTOR PERFORMANCE, REMINISCENCE,
INHIBITION, AND CONSOLIDATION A65-82107
- GRAU, R. B.
BIOPHYSICAL MONITORING OF EXPERIMENTAL ANIMALS
UNDER REAL AND SIMULATED FLIGHT CONDITIONS
A65-10725
- BIOPHYSICAL DATA RECORDING BY MINIATURE ELECTRONIC
EQUIPMENT N65-16605
- GRAU, W.
MOTION PICTURE RECORDING OF OPTOKINETIC AND
VESTIBULAR NYSTAGMUS A65-80041
- GRAUL, E. H.
BIOLOGICAL STRESSES OF MANNED SPACE FLIGHT IN
LIMITING FLIGHT DURATION, NOTING ISOLATION EFFECT
A65-21025
- IONIZING RADIATION STRESS IN MANNED SPACE FLIGHT,
SUPERSONIC FLIGHT, AND HYPERSONIC FLIGHT
A65-80842
- GRAUNOV, O. V.
LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS
A65-80086
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
GRAVITATIONAL LOADS N65-14527
- GRAVES, J. B.
MODIFIED REMOTE SAMPLING SYSTEM FOR USE IN
RESPIRATORY GAS ANALYSIS WITH TIME-OF-FLIGHT
MASS SPECTROMETER
AMRL-TR-64-84 N65-12974
- GRAY, G. C.
DEPTH PERCEPTION INFLUENCED BY RELATIVE HEIGHT ON
PICTURE PLANE A65-82331
- GRAY, I.
PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS
ENTEROTOXIN - ANIMAL STUDY N65-22741
- HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS
INFECTION AND CONTROLLED FEVER IN CHIMPANZEES
N65-22761
- GRAY, L. H.
RADIOBIOLOGICAL DAMAGE IN AEROBIC AND ANAEROBIC
SYSTEMS N65-23452
- GRAY, S.
EFFECTS OF TEMPERATURE, X-RAY IRRADIATION, AND
ELEVATED GRAVITY ON WHEAT SEEDLING GROWTH
NASA-CR-303 N65-32674
- GRAYBIEL, A.
FUNCTIONS OF OTOLITH ORGANS AND SEMICIRCULAR
CANALS IN WEIGHTLESS AND ROTATING SPACECRAFT
ENVIRONMENTS A65-14526
- ANTIMOTION SICKNESS DRUGS FROM 1954 TO 1964 NOTING
EFFECTIVENESS AND SIDE EFFECTS A65-16552
- MOTION SICKNESS SYMPTOMATOLOGY COMPARED FOR
LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING
ZERO GRAVITY MANEUVERS A65-22903
- CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR
VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER,
NOTING OTOLITH MODULATION OF SENSORY INPUT FROM
SEMICIRCULAR CANALS A65-24081
- OTOLITH ORGAN ULTRASTRUCTURE IN SQUIRREL MONKEYS
AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL
FORCE UP TO 10 MIN IN DIFFERENT BODY /HEAD/
POSITIONS A65-26164
- ADDITIONAL LINEAR ACCELERATION EFFECT RELATIVE TO
SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR
ACCELERATION A65-26419
- VISUAL ILLUSORY PHENOMENA, MOTION SICKNESS,
SUSCEPTIBILITY, BODY ORIENTATION AND LOCOMOTION IN
NORMAL SUBJECTS AND SUBJECTS WITH LABYRINTHINE
DEFECTS, NOTING SPACE FLIGHT IMPLICATIONS
A65-26773
- ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- SPACE RADIATION, WEIGHTLESSNESS AND ANGULAR

- VELOCITY EFFECTS ON HUMAN BEINGS, NOTING TERMINAL PHASE CONDITIONS A65-33280
- EVALUATION AND PREDICTION OF PHYSICAL FITNESS IN MEN OF DIFFERENT AGES USING MODIFIED APPARATUS OF HARVARD STEP TEST A65-80209
- AURICULAR FIBRILLATION IN YOUNG MAN - EFFECTS OF EXERCISE, DIGITALIS, ATROPINE, AND RESTORATION OF NORMAL RHYTHM A65-80210
- REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS, AND MISCELLANEOUS GROUP, COVERING 1954-1964 A65-80380
- MOTION SICKNESS SYMPTOMATOLOGY OF LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY MANEUVERS A65-80893
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068
- ACCELERATION STRESS OF PITCH AND EFFECT ON NYSTAGMUS A65-81114
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION ALTERED BY CHANGING RESULTANT LINEAR ACCELERATION A65-81115
- INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL ILLUSIONS A65-81218
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL FORCE A65-81291
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- BIOLOGICAL STRESSES AND HAZARDS IN MANNED SPACE FLIGHT NASA-CR-59405 N65-10045
- EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR ACCELERATION NASA-CR-59565 N65-11407
- SEMICIRCULAR CANAL AND OTOLITH ORGAN DISTURBANCES BY HIGH G LOAD, WEIGHTLESSNESS, AND ARTIFICIAL GRAVITY IN SPACE TRAVEL NASA-CR-60419 N65-16027
- EXPOSURE OF NORMAL AND DEAF PERSONS WITH BILATERAL VESTIBULAR DEFECTS TO CENTRIPETAL FORCE ON HUMAN CENTRIFUGE AND EXPOSURE TO ZERO GRAVITY AND SUBGRAVITY STATES NASA-CR-51786 N65-16431
- GRAVITY-INERTIAL FORCE ENVIRONMENT OF MAN IN SPACE FLIGHT NASA-CR-56358 N65-16433
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND INERTIAL FORCE EXPOSURE NASA-CR-57274 N65-19692
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY PERSONNEL - HEART RATE CURVES DURING EXERCISE, RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS NSAM-890 N65-24810
- RELATIONSHIPS BETWEEN BLOOD ALCOHOL, POSITIONAL ALCOHOL NYSTAGMUS, AND POSTURAL EQUILIBRIUM NASA-CR-63423 N65-26409
- VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE MOVEMENT NASA-CR-63651 N65-27513
- EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE NASA-CR-63800 N65-28539
- QUANTITATIVE ATAXIA TEST BATTERY TO ASSESS PSYCHOMOTOR PERFORMANCE AND POSTURAL EQUILIBRIUM UNDER ROTATING ENVIRONMENTS AND OTHER STRESSES NASA-CR-63803 N65-28540
- RESIDUAL EFFECTS OF STORM CONDITIONS AT SEA UPON POSTURAL EQUILIBRIUM FUNCTIONING OF VESTIBULAR NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS NASA-CR-64935 N65-33855
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND ANXIETY - ROLE OF VESTIBULAR APPARATUS NASA-CR-64879 N65-33921
- MAGNITUDE OF GRAVITATIONAL FORCE, INDEPENDENT VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF HORIZONTAL-SPACE PERCEPTION NASA-CR-67538 N65-36426
- VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES NASA-CR-67537 N65-36431
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL LABYRINTHINE DEFECTS - AEROSPACE MEDICINE NASA-CR-67520 N65-36432
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO ROTATING ENVIRONMENT - AEROSPACE MEDICINE NASA-CR-67553 N65-36553
- GREATREX, F. B.
REDUCING ANNOYANCE FROM AIRCRAFT NOISE A65-81212
- GRECHUSHKINA, N. N.
MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS JPRS-31360 N65-29790
- GREEN, D. G.
EFFECT OF FOCUS ON VISUAL RESPONSE TO SINUSOIDALLY MODULATED SPATIAL STIMULUS AND RELATION TO NIGHT MYOPIA A65-82201
- GREEN, D. M.
DETECTION OF SIGNAL MASKED WITH TWO TONES IN RELATION TO FREQUENCY SEPARATION A65-81478
- GREEN, E. B.
TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN A65-80676
- GREEN, G. M.
PULMONARY RESISTANCE TO INFECTION IN MALE AND FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA, PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND S. AUREUS A65-81598
- GREEN, J. K.
ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS, RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS TECHNOLOGY, AND INSTRUMENTATION BNWL-36 N65-33022
- GREEN, R.
MOOD, MOTILITY, AND 17-HYDROXYCORTICOID EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT NASA-CR-63785 N65-28097
- GREEN, R. T.
SPATIAL ORIENTATION EFFECT ON POGENDORFF ILLUSION A65-81316
- GREENE, L.
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR RECORDING BIOELECTRICAL DATA, FORCE AND DISPLACEMENT A65-10546
- GREENE, M. A.
CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING COLD PRESSOR TEST A65-81600
- GREENE, N. M.
GLUCOSE PERMEABILITY OF HUMAN ERYTHROCYTES AS AFFECTED BY INHALATION OF ANESTHETICS, OXYGEN, AND CARBON DIOXIDE A65-80818

- GREENE, V. W.
SAMPLING AND IDENTIFICATION OF VIABLE MICROORGANISMS IN STRATOSPHERE
NASA-CR-53951 N65-16493
- EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS IN STRATOSPHERE
NASA-CR-52518 N65-16979
- MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING
NASA-CR-57724 N65-20753
- CHARACTERISTICS OF IMPACTION AND BIOLOGICAL FILTRATION AEROSOL COLLECTION MECHANISMS IN STRATOSPHERE N65-23985
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE EXISTENCE AND IDENTIFICATION OF VIABLE MICROORGANISMS AT HIGH ALTITUDES N65-23999
- GREENE, W. A.
DISINHIBITION IN GALVANIC SKIN RESPONSE CONDITIONING AS FUNCTION OF NUMBER OF TRIALS AND TEMPORAL LOCATION OF NOVEL STIMULUS A65-80241
- GREENFIELD, J. C., JR.
ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS AS AFFECTED BY ACUTE INCREASE IN INTRACRANIAL PRESSURE A65-82042
- TIME DERIVATIVE OF PRESSURE RELATED TO INSTANTANEOUS AORTIC BLOOD FLOW IN DOG A65-82147
- GREENING, C. P.
STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF PROJECTED STAR FIELD FOR SPACE ENVIRONMENT SIMULATION A65-35493
- GREENLEAF, J. E.
ARTIFICIAL ACCLIMATIZATION TO HEAT BY SUBJECTS DOING EXERCISE A65-22222
- VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT, COLD, EXERCISE, AND WATER DEPLETION A65-81634
- PHYSIOLOGY OF THIRST AND DRINKING - DEHYDRATION LAG IN MAN AND RAT
NASA-TM-X-51938 N65-29471
- GREENWAY, R. M.
PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY. I. EVALUATION IN LYING AND SITTING POSITIONS USING BED OF SPRINGS AND NAILS A65-81310
- GREGORY, M.
STIMULUS SET AND RESPONSE SET - ALTERNATION OF ATTENTION A65-80336
- CHOICE REACTIONS TO TACTUAL STIMULATION WITH COMPATIBLE AND INCOMPATIBLE INSTRUCTIONS A65-80863
- AGE DIFFERENCES IN MEMORY FOR SIMULTANEOUS AUDITORY AND VISUAL STIMULATION A65-80865
- GREGORY, P. H.
PROBLEMS OF SAMPLING FOR MICROORGANISMS IN ATMOSPHERE N65-23995
- GREISEN, O.
SOUND TRANSMISSION IN HUMAN EAR AND NON-OTOSCLEROTIC OSSICLE FIXATION A65-82309
- GRENZDOERFER, J.
SUPERSONIC AIR COMMERCE IN U.S., WESTERN EUROPE AND U.S.S.R. - TECHNICAL PROBLEMS, ECONOMY, AND FLIGHT SAFETY
FTD-TT-64-463/162 N65-14026
- GRESSITT, J. L.
AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT N65-23994
- GREYER, W. F.
VISUAL OBSERVATION BY ASTRONAUT OF ANOTHER SPACE VEHICLE FOR SPACECRAFT RENDEZVOUS PURPOSES A65-35483
- GREUPNER, B.
BLINKING REFLEX AS INDICATOR OF DEGREE OF SKILL ATTAINED IN PRACTICE OF VISUAL-MOTOR TASK A65-82174
- GRIEG, R. A.
IRRADIATION PASTEURIZATION FOR PRESERVATION OF FRESH WATER FISH AND INLAND FRUITS AND VEGETABLES
CDO-1283-12 N65-19822
- GRIGGS, R. C.
LEAD POISONING - CHANGES IN MORPHOLOGY AND METABOLISM OF ERYTHROCYTE OF HUMAN A65-80340
- GRIGORYEV, YU. G.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED SPACE FLIGHTS A65-29943
- BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION A65-80397
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND OTHER PHYSIOLOGICAL MEASUREMENTS N65-13727
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524
- GRILL, A. J.
POSTGRADUATE OFFICER TRAINING FOR PILOT TRAINEES A65-80400
- GRIMBY, G.
CLEARANCE OF INULIN AND PARA-AMINOHIPPURIC ACID, CARDIAC OUTPUT, OXYGEN UPTAKE, AND BLOOD PRESSURE OF SUBJECTS DURING PROLONGED SUPINE EXERCISE AT DIFFERENT LOADS A65-82165
- GRIMES, J. H.
CHELATION WITH ALKALINE EARTH METALS, CHELATE COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY, AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239 REMOVAL AGENTS
AWRE-O-4/65 N65-28883
- GRIMINGER, P.
FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION, AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO HEAT AND COLD A65-81604
- GRINDLEY, G. C.
BINOCULAR MASKING INDUCED BY MOVING OBJECT IN PART OF EITHER OF TWO BINOCULAR FIELDS A65-81407
- GRISSELL, J. L.
RELATIONSHIP OF ELECTROENCEPHALOGRAPH BACKGROUND RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN A65-82277
- GRISHANOV, N.
DEVELOPMENT OF SOVIET FLIGHTSUIT AND SPACESUIT A65-81959
- GRISHINA, I. S.
CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS TO CHEST-BACK ACCELERATIONS N65-13718
- GRISHINA, V. I.
CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION OF RADIOACTIVE ISOTOPES
JPRS-31007 N65-28223
- GRISHKO, F. I.
EARLY INDICATOR OF ADAPTIVE MUSCLE TISSUE REACTION TO HYPOXIA IN AGING HUMANS N65-17765

- GRITSMAN, YU. YA.
NEUROMORPHOLOGICAL CHANGES AND PERIPHERAL BLOOD
EFFECTS IN DOGS AND ANIMALS DURING
ELECTRONARCOSIS
JPRS-31018 N65-28808
- GRODSKY, M. A.
INTEGRATED MISSION SIMULATION TECHNIQUE TESTS
PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR
MISSION
AIAA PAPER 65-275 A65-22125
- PILOT RELIABILITY AND SKILL RETENTION TESTED IN
INTEGRATED MISSION SIMULATION OF LONG DURATION
SPACE FLIGHT MISSION A65-27039
- PILOT RELIABILITY AND SKILL RETENTION FOR SPACE
FLIGHT MISSIONS A65-81305
- GROEN, J. J.
CENTRAL REGULATION OF THE VESTIBULAR SYSTEM -
ROTATIONAL STIMULATION AND EYE MOVEMENTS
A65-82137
- GROGNOT, P.
MECHANICAL VIBRATION EFFECT ON MITOSIS OF
NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550
- SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS -
AEROSPACE MEDICINE
NASA-TT-F-350 N65-35828
- GROMAKOVSKAYA, M. M.
NEUROHUMORAL REGULATION OF MUSCULAR ACTIVITY AND
RELATIONSHIP BETWEEN NERVOUS AND HUMORAL
PROCESSES - INJECTIONS OF SEROTONIN AND
HISTAMINE
JPRS-31968 N65-33429
- GROSCH, D. S.
RADIATION AND GRAVITATIONAL EFFECT ON WASPS AND
SHRIMP - ANIMAL STUDY
NASA-CR-63829 N65-28538
- GROSS, L.
MECHANISM FOR EXPLAINING DIRECT CHEMICAL EFFECT
OF MAGNETIC FIELDS IN LIVING SYSTEMS
A65-80414
- LIFESPAN INCREASE OF TUMOR-BEARING MICE THROUGH
PRETREATMENT IN MAGNETIC FIELDS PRODUCING
LEUKOCYTOSIS A65-80420
- MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE
REGENERATION IN MOUSE A65-80421
- BIBLIOGRAPHY OF BIOLOGICAL EFFECT OF STATIC AND
EARTH MAGNETIC FIELDS AS RELATED TO LIVING TISSUE
AND CLINICAL APPLICATION A65-80434
- GROSS, R. E.
PHYSIOLOGICAL AND MORPHOLOGICAL RELATIONSHIPS
BETWEEN MARINE SPECIES OF CHLORELLA
N65-15805
- GROSS, W.
BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING
ON BLOOD AND TISSUE
NASA-TT-F-9338 N65-23678
- GROSSBERG, M.
PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN
INTENSITY OF WHITE NOISE RELATED TO SIGNAL
DETECTION A65-81343
- GROSSENBACHER, K. A.
AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
CHAMBER A65-80474
- GROSSI, E.
CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART
A65-81383
- GROSSMAN, J. S.
IMPORTANCE OF TIME AND ITS SUBJECTIVE SPEED
A65-81752
- GROSSMAN, L.
LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS
IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC
ACIDS
NASA-CR-63246 N65-25590
- GROTZ, R. C.
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR
RECORDING BIOELECTRICAL DATA, FORCE AND
DISPLACEMENT A65-10546
- GROVER, R. F.
SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH
SEXES LIVING AT HIGH ALTITUDE A65-81964
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON
MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH
SEA LEVEL NATIVES
AD-463110 N65-33244
- GROZDENSKIY, D. E.
RADIATION EFFECTS ON BIOLOGICAL CELLS AND WHOLE
ORGANISMS
FTD-TT-62-355/16264 N65-21540
- GRUNDTNER, M. J.
MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING
NASA-CR-57724 N65-20753
- GRZEGORZEWSKI, J.
PHYSICAL AND PSYCHOPHYSIOLOGICAL TESTS USED IN
SOVIET UNION FOR ASTRONAUT SELECTION AND
TRAINING, NOTING SPACE FLIGHT RESULTS
A65-22928
- GRZESIK, J.
EFFECT OF WHITE NOISE LEARNING EFFICIENCY IN RATS
A65-81940
- GUBERNALE, A.
SUPERSONIC FLIGHT - PHYSIOLOGICAL EFFECTS DURING
F104 AIRCRAFT FLIGHT A65-81998
- GUBLER, YE. V.
HYPOXIA IN UNCOMPENSATED SKIN LOSS FROM BURN
INJURY N65-17805
- PHYSIOLOGICAL REACTIONS TO BURN SHOCK AND
CYBERNETIC ANALYSIS OF DEFENSE AND RECOVERY
AUTOMATIC CONTROL PROCESSES N65-24890
- GUDA, V. A.
BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908
- GUDE, W. D.
FATE OF SPLEEN CELLS LABELLED WITH TRITIUM -
SENSITIVITY IN VIVO CULTURES DURING SECONDARY
RESPONSE OF ANTIBODY N65-36617
- GUDIN-HERRERO, J. M.
HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL A65-82210
- GUDBBA, R. D.
RELATIONSHIP OF ELECTROENCEPHALOGRAPH BACKGROUND
RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN
A65-82277
- GUEDRY, F. E., JR.
CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR
VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER,
NOTING OTOLITH MODULATION OF SENSORY INPUT FROM
SEMICIRCULAR CANALS A65-24081
- AMPULLAR STIMULATION AND RESPONSES IN HUMAN BEINGS
WITH EMPHASIS ON STIMULATIONS FROM ANGULAR AND
RECTILINEAR MOTIONS A65-25648
- ADDITIONAL LINEAR ACCELERATION EFFECT RELATIVE TO
SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR
ACCELERATION A65-26419
- ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON

- NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR ACCELERATION A65-81068
- ACCELERATION STRESS OF PITCH AND EFFECT ON NYSTAGMUS A65-81114
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION ALTERED BY CHANGING RESULTANT LINEAR ACCELERATION A65-81115
- VISUAL CONTROL OF HABITUATION TO COMPLEX VESTIBULAR STIMULATION IN MAN A65-81538
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- GRAVITY LABYRINTH ORIENTATION INFLUENCE ON RESPONSES FROM STIMULATION OF HORIZONTAL SEMICIRCULAR CANALS NASA-CR-59548 N65-11396
- EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR ACCELERATION NASA-CR-59565 N65-11407
- SENSORY REARRANGEMENT AND VESTIBULAR HABITUATION IN HUMANS SUBJECTED TO CONTINUOUS ROTATION NASA-CR-63865 N65-28872
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO ROTATING ENVIRONMENT - AEROSPACE MEDICINE NASA-CR-67553 N65-36553
- GURRY, D., III
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS A65-81093
- GUILD, E.
LOW FREQUENCY AND INFRASONIC NOISE EFFECTS ON MAN A65-81946
- GUILLERM
ENVIRONMENTAL CONTROL OF CLOSED SPACE IN NUCLEAR SUBMARINE A65-81039
- GUINNESS, G. V.
APPARENT MOVEMENT PHENOMENA ON CATHODE RAY TUBE DISPLAYS NASA-CR-67527 N65-36429
- GUIDON, R. M.
PERSONNEL TESTING- PRINCIPLES OF TESTING, VARIOUS TESTS, AND APPLICATION TO SELECTION AND PLACEMENT A65-81059
- GUIRAO, M.
LOUDNESS FOUND TO BE PROPORTIONAL TO VOLUME TIMES DENSITY A65-81168
- GULTYAYEV, P. A.
EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON CHICK EMBRYO DEVELOPMENT AND METABOLISM A65-80752
- GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-OXYGEN ATMOSPHERE N65-13649
- GULYAYEV, P. I.
MATHEMATICS, BIONICS, BIOPHYSICS, AND CYBERNETICS FOR DEVELOPMENT OF BIOLOGICAL MODELS JPRS-30177 N65-24064
- GULYY, M. F.
PROTEIN BIOSYNTHESIS PROBLEMS FTD-TT-63-1219/1&2 N65-12032
- GUNDAROV, V. P.
CORRELATION ANALYSIS OF CHANGES IN HUMAN ELECTROENCEPHALOGRAPH DURING DEVELOPMENT OF RHYTHMIC MOTOR STEREOTYPY A65-82206
- GUNDERSON, E. K. E.
BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE PREDICTION AT LARGE ANTARCTIC STATION
- REPT.-64-22 N65-19567
- GUNDERSON, R. W.
FEASIBILITY OF MANNED PARTICIPATION IN CONTROL OF LARGE LAUNCH VEHICLE NASA-TN-D-2807 N65-23166
- GUNN, E. R.
HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING WATER OF LOW SALT CONTENT A65-80955
- GUPTA, K. K.
CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM A65-81398
- GUPTA, R. B. L.
RETINITIS FROM OVEREXPOSURE TO SOLAR ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT A65-80267
- GUREVICH, M. I.
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE IN HYPERTENSION OF ARTERY N65-17787
- GURFINKEL, V. S.
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM A65-80749
- QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS A65-80753
- MODEL APERIODIC BALLISTOCARDIOGRAPH AND DESCRIPTION OF APERIODIC BALLISTOCARDIOGRAPH OF HEALTHY INDIVIDUAL A65-81290
- GURJIAN, A. A.
BIOLOGICAL EFFECT OF WEIGHTLESSNESS AND ACCELERATION EXPERIENCED IN SPACE FLIGHT A65-30693
- GURNEY, C. W.
QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE SIMULATION A65-81535
- GUROVSKIY, N.
HUMAN RESPONSE TO ACCELERATION STRESS AND WEIGHTLESSNESS DURING PARABOLIC JET FLIGHT A65-81192
- HUMAN SENSOR RESPONSE TO GRAVITY LOAD AND WEIGHTLESSNESS - MEDICO-BIOLOGICAL EXPERIMENTS N65-24862
- GURVICH, A. A.
DATA AND THEORIES PERTAINING TO MITOGENETIC RADIATION BIOPHYSICAL RESEARCH N65-35151
- GURVICH, A. M.
X-RAY FLUORESCENCE, X-RAY SCREENS, AND MATERIALS FOR X-RAY PHOTOGRAPHY N65-30216
- GURVICH, G. I.
INDOLE AND HYDRAZINE DRUG DERIVATIVES TO INCREASE RESISTANCE TO OXYGEN DEFICIENCY N65-13669
- GUSEVA, L. A.
CHANGES IN OXIDATIVE PROCESSES AND ORGANIC ACID EXCRETION RATE DURING ADAPTATION TO COLD IN MAN A65-81766
- STABILITY OF TEMPERATURE REACTION AND CHANGES IN OXIDATION PROCESSES DURING CHILLING IN HUMANS ADAPTED AND NOT ADAPTED TO COLD N65-24940
- GUSEVA, YE. G.
DIFFERENTIATED INHIBITION LIMITS BY GRADUAL INCREASE IN PHYSICAL STRENGTH OF INHIBITORY STIMULATION USING SALIVARY ALIMENTARY CONDITIONED REFLEX JPRS-29461 N65-20832
- GUSKOVA, A. K.
TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW MEMBERS OF SPACECRAFTS

- NASA-TT-F-9589 N65-35524
 GUSTAFSON, L. A.
 SPECIFIC MOTOR RESPONSE DURING SLEEP TO
 SLEEP-ADMINISTERED MEANINGFUL SUGGESTION A65-81012
- GUTER, G. A.
 OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY
 REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS A65-34269
- GUTH, P. S.
 CHLORPROMAZINE / CPZ, PROTOTYPE PHENOTHIAZINE
 TRANQUILIZER, AFFECTS MEMBRANE FUNCTION WHEREVER
 IT ACCUMULATES IN BODY IN SUFFICIENT CONCENTRATION A65-31007
 LOCALIZATION OF NONTRANQUILIZER PHENOTHIAZINE IN
 DOG CEREBELLUM AND ASSOCIATED AREAS A65-33023
- GUTMAN, G. M.
 EFFECT OF CHRONOLOGICAL AGE AND EXTRAVERSION ON
 PURSUIT ROTOR REMINISCENCE A65-81861
- GUTTICH, H.
 VESTIBULAR FUNCTION - INTERACTION OF SEMICIRCULAR
 CANAL AND OTOLITH ORGAN FUNCTIONS A65-80040
- GUTTMAN, N.
 BINAURAL INTERACTIONS OF THREE CLICKS A65-80526
- GUY, F. W.
 GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL
 RESULTING FROM NEUTRON ACTIVATION OF SOIL BY
 NUCLEAR EXPLOSION UCRL-12339, VOL. I N65-22984
- GUYATT, A. R.
 PULMONARY DIFFUSING CAPACITY IN MAN DURING
 IMMERSION IN WATER A65-81900
- GUZ, A.
 STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
 RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
 MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899
- GUZEYEV, O. YE.
 CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
 PRESSURE, PULSE, RESPIRATION, AND MECHANOGGRAMS
 ON OSCILLOGRAPHS NASA-TT-F-9581 N65-35782
- GVOZDIKOVA, Z. M.
 SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
 CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
 FIELD A65-80801
- GYRODZHIAN, A. A.
 ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
 PHYSIOLOGICAL EFFECTS OF GRAVITATION AND
 WEIGHTLESSNESS ON RUSSIAN COSMONAUTS -
 DISCUSSION NASA-TT-F-376 N65-29623
 PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
 EFFECT ON GROWTH OF ORGANISM AND VITAL
 ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS N65-31378
 MEDICAL INVESTIGATIONS ON VOSKHOD AND
 VOSKHOD II SPACECRAFT NASA-TT-F-9539 N65-33801
- GZHELSKIY, V.
 PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN
 CENTRIFUGE JPRS-30817 N65-26960
- H
 HAAS, E.
 VIBRATORY THRESHOLD TESTS - DIAGNOSTIC VALUE AND
 RELATION TO NYSTAGMUS A65-81724
- HABER, R. N.
 U-SHAPED BACKWARD MASKING FUNCTION IN VISION A65-80687
- HACK, J. M.
 COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY
 NOISE A65-80573
- HACKEL, E.
 AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO
 MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION
 AND COUNTER A65-80427
- HACKNEY, J. D.
 ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN
 OXYGEN POISONING IN RABBITS A65-82100
- HADUCH, S.
 MECHANICAL ENGINEERING OF OVERLOAD CENTRIFUGE
 FOR HUMAN TOLERANCE FTD-TT-64-70/1&2 N65-16798
- HAFFNER, J. W.
 EFFECTIVE RESIDUAL DOSE CONCEPT OF LETHAL
 RADIATION TO HUMAN AND SPACE RADIATION SHIELDING
 AIAA PAPER 65-497 A65-30195
 RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTONS AND
 ALPHA PARTICLES - RADIATION DOSE CALCULATIONS N65-34632
- HAGBERG, C. A.
 BALLOON-BORNE PROBES LAUNCHED TO DETERMINE
 EXISTENCE AND IDENTIFICATION OF VIABLE
 MICROORGANISMS AT HIGH ALTITUDES N65-23999
- HAGE, C. T.
 INSTANTANEOUS HEART ACCELERATION DURING X-15
 AIRCRAFT FLIGHT A65-80082
- HAGEN, C. A.
 RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN
 ENVIRONMENT INVESTIGATED, USING CULTURE
 COLLECTIONS AND SOIL SAMPLES A65-30676
 GROWTH RESPONSE OF BACILLUS CEREUS AND SUBTILIS
 CELLS SUBJECTED TO MODIFIED MARTIAN ENVIRONMENT
 WITH FREEZE CYCLES OF DIFFERENT DURATIONS NASA-CR-62829 N65-24294
 EFFECTS OF DIFFERENT FREEZE CYCLES ON BACILLUS
 CEREUS AND BACILLUS SUBTILIS IN SIMULATED
 MARTIAN ENVIRONMENT NASA-CR-64577 N65-32032
- HAGFORS, C.
 GALVANIC SKIN RESPONSE - THEORETICAL CONSIDERATION
 OF SKIN RESISTANCE AND SKIN CONDUCTANCE RELATED
 TO SWEAT GLAND A65-80005
- HAHLBROCK, K. H.
 MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
 SIGNIFICANCE IN AUDIOMETRY A65-81770
- HAHN, F. E.
 MOLECULAR MECHANISMS OF ANTIMICROBIAL ACTION OF
 ANTIBIOTICS - MOLECULAR BASIS FOR CHEMOTHERAPY N65-22762
- HAIDER, M.
 SELECTIVE SHORT TERM ATTENTIVENESS AND CORTICAL
 EVOKED RESPONSES IN HUMAN BEINGS TO ALTERNATE
 FLASHING LIGHT AND AUDITORY CLICKS A65-22675
 SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED
 RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI A65-80870
- HAIGHT, J. R.
 ELECTRODE AND CANNULAE IMPLANTATION IN HORSESHOE
 CRABS TO RECORD OPTIC NERVE, HEART AND ABDOMINAL
 GANGLIA ELECTRICAL ACTIVITY A65-26574
- HAINES, D. B.
 TRAINING FOR CROSS-CULTURAL CONTACT AND

- DEVELOPMENT OF INTERACTION SKILLS
AMRL-TR-64-109 N65-19017
- HAINES, J. R.
INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND
EXTENT OF AUTOKINETIC MOVEMENT A65-81750
- HAINES, R. L.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401
- HAJOS, A.
INTEROCULAR TRANSFER AND NEGATIVE AFTEREFFECT
AFTER PRISM-INDUCED DISTORTION OF VISION A65-81857
- VISUAL PERCEPTION - ADAPTATION TO ARTIFICIAL
CHROMATIC DISTORTIONS AND NATURAL VISUAL DEFECTS
REPT.-1 N65-12731
- COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
FTR-1 N65-34419
- HALDANE, J. B. S.
MODEL FOR BIOCHEMICAL ORIGIN OF LIFE - FIRST
ORGANISM A65-80466
- HALE, D. M.
HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN
SYNTHESIS IN RAT TISSUES A65-81473
- HALE, H. B.
FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS
DETERMINED BY POSTFLIGHT URINE ANALYSIS A65-18430
- PHYSIOLOGICAL EFFECTS OF FLYING, DISCUSSING
ENDOCRINE AND METABOLIC CHANGES DURING SIMULATED
FLIGHT A65-32629
- FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF
PILOTS A65-80534
- ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR
SIMULATED AIRCRAFT FLIGHT A65-81729
- POSTFLIGHT URINARY DETERMINATIONS USED FOR
EVALUATING FLIGHT STRESS IN PILOTS IN RELATION
TO FLYING PROFICIENCY
SAM-TR-64-88 N65-31787
- HALEY, J. L., JR.
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
- HALEY, L. J.
TEMPORAL PARAMETERS OF BINOCULAR RIVALRY
A65-80406
- HALMUBER, M. J.
PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH
ALTITUDE EXPOSURE A65-80493
- HALL, F. G.
CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE
BREATHING IN HYPOTHERMIC DOGS A65-81608
- HALL, F. S.
HUMAN FACTOR ENGINEERING - BIBLIOGRAPHY
RH-3398-H N65-15537
- EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND
SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY
RH-3398-J N65-20726
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES N65-29770
- HALL, J. L., II
MINIMUM DETECTABLE CHANGE IN INTERAURAL TIME AND
INTENSITY DIFFERENCE AS FUNCTION OF OVERALL
INTENSITY FOR DICHOTIC CLICKS A65-21273
- NEURAL ACTIVITY PATTERNS IN CENTRAL NERVOUS
SYSTEM, RELATIONSHIP TO BINAURAL LOCALIZATION OF
SOUNDS EXPLORED BY ELECTROPHYSIOLOGICAL EXPERIMENT
ON CATS A65-30589
- ACOUSTIC CLICKS PRESENTED THROUGH EARPHONES TO
TWO EARS OF ANESTHETIZED CATS TO STUDY ELECTRICAL
RESPONSE ACTIVITY OF SINGLE NERVE CELLS IN
ACCESSORY SUPERIOR OLIVARY NUCLEUS A65-32660
- HALL, L. B.
PREVENTION OF BIOLOGICAL CONTAMINATION ON
EXTRATERRESTRIAL BODIES A65-30675
- HALL, S. B.
EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT
ARM MOTIONS DURING COMPENSATION FOR DISPLACED
VISION A65-81647
- HALL, T. J.
CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE,
WARNING LIGHT MONITORING, AND PROBABILITY
MONITORING TASKS AS FUNCTION OF WORKLOAD
AMRL-TR-65-22 N65-27092
- HALL, W. H.
CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-
HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM
A65-81398
- HALLEN, T. O.
BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- HALLENBECK, C. E.
IMPORTANCE OF TIME AND ITS SUBJECTIVE SPEED
A65-81752
- HALLOWELL, P.
OXYGEN BREATHING AND RESPIRATION DURING
HYPOTHERMIA A65-82002
- HALPERN, L.
INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- HALVORSEN, S.
ROLE OF HYPOTHALAMUS ON ERYTHROPOIETIC RESPONSE TO
HYPOXIA IN RABBIT A65-80039
- HALVORSON, H. O.
RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE
ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT
N65-23997
- HAM, W. T., JR.
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093
- HAMBERGER, L.
BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING
PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE
AREA FORMULAS A65-81696
- HAMILTON, A.
SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE
AND BAROTRAUMA EXPOSURE A65-82371
- HAMILTON, J. E.
MOON ILLUSION - VISUAL FACTORS AFFECTING APPARENT
SIZE A65-80324
- HAMILTON, J. P.
HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO
FREQUENCY FIELDS
GE/EE/64-11 N65-16662
- HAMILTON, L. H.
SLIDE RULE FOR CALCULATING SINGLE-BREATH DIFFUSING
CAPACITY FOR CARBON MONOXIDE A65-80512
- ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY
LIPEMIA AND HEPARIN A65-80668
- IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND
VENTILATION OF SUBJECTS IN STANDING, SITTING, AND
SUPINE POSITIONS A65-81179

- HAMILTON, R. W., JR.**
CONTINUOUS SAMPLING OF ARTERIAL BLOOD OF UNANESTHETIZED ANIMALS A65-81152
CARBON DIOXIDE, OXYGEN, AND HYDROGEN ION INTERACTION AND INDEPENDENT EFFECTS ON BREATHING - RESPIRATION STIMULANTS IN ARTERIAL BLOOD
SAM-TR-64-94 N65-26242
- HAMMAN, D. J.**
RADIATION EFFECTS THRESHOLDS OF ELECTRONIC EQUIPMENT AND STRUCTURAL MATERIALS - METALS, POLYMERS, CERAMICS, SEMICONDUCTORS, AND ELECTRIC COMPONENTS N65-34587
- HAMMEL, H. T.**
SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL WARM WATER IMMERSION A65-81916
- HAMMERTON, M.**
TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND BODY-ORIENTED CONTROL TASKS A65-80708
INFORMATION THEORY APPLICATION TO STUDIES OF TRACKING BEHAVIOR A65-82085
- HAMMES, J. A.**
BEHAVIOR PATTERNS OF GROUPS EXPERIMENTALLY CONFINED IN FALLOUT SHELTER A65-81659
CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER CONFINEMENT A65-82097
- HAMMOND, A. H.**
SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS A65-22752
- HAMMOND, J. W., JR.**
LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH SEA LEVEL NATIVES
AD-463110 N65-33244
- HAMNER, K. C.**
TEMPERATURE AND PRECONDITIONING EFFECT ON PHOTOPERIODIC RESPONSE OF PHARBITIS NIL, STRAIN VIOLET SHORT-DAY PLANT A65-30650
- HANAVAN, E. P., JR.**
MATHEMATICAL MODEL OF HUMAN BODY PREDICTING ITS INERTIAL PROPERTIES IN ANY FIXED BODY POSITION, INCLUDING LOCATION OF MASS CENTER
AIAA PAPER 65-498 A65-30202
MATHEMATICAL MODEL FOR PREDICTING INERTIAL PROPERTIES OF HUMAN BODY
GA/PHYS/64-3 N65-12133
- HANDLER, P.**
EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY IN MAN
AFOSR-64-1841 N65-16752
- HANFF, G.**
PSYCHOPHYSIOLOGICAL AND TECHNICAL FACTORS FOR ORBITAL MAINTENANCE AND TASK PERFORMANCE IN SIMULATED SPACE ENVIRONMENT A65-19842
- HANNAH, L. D.**
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM
NASA-CR-67080 N65-33972
- HANNAN, P. J.**
EFFECT OF HIGH INTENSITY MAGNETIC FIELDS ON RESPIRATION AND PHOTOSYNTHESIS IN ALGAE
NRL-6153 N65-10497
PRESSURE AS FACTOR IN ALGAE GROWTH - OXYGEN PRODUCED BY PHOTOSYNTHESIS OF ALGAE
N65-11717
- HANSEN, A.**
LONG TERM ANALYSIS OF ATMOSPHERIC POLLEN N65-23993
- HANSEN, C. C.**
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF STAPEDIUS AND TENSOR TYMPANI MUSCLES A65-80035
- HANSEN, C. E.**
MANNED SPACECRAFT SUBSYSTEM FOR RECOVERING POTABLE WATER FROM URINE, WASH WATER AND HUMIDITY CONDENSATES BY ELECTRODIALYSIS
ASME PAPER 65-AV-16 A65-23224
- HANSEN, C. H., JR.**
ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT A65-80166
- HANSEN, W.**
PREDICTION OF TRACKING CAPABILITY OF HUMAN PILOT, TRANSFER FUNCTION TO DESCRIBE PILOT PERFORMANCE, AND PROGRAMMING ON ANALOG COMPUTER
AD-603477 N65-14282
- HANSON, J. S.**
LUNG VOLUME AND VENTILATORY RESPONSE TO AIRWAY OBSTRUCTION DURING TREADMILL EXERCISE - RELATION TO OXYGEN CONSUMPTION A65-80316
DIGITAL INTEGRATOR FOR ON-LINE PULMONARY COMPLIANCE MEASUREMENTS A65-81154
ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY OBSTRUCTION DURING RFST AND EXERCISE A65-81607
- HANSON, M. L.**
BIOTELEMETRY IN MEDICINE - DESCRIPTION OF NEW TELEMETERED ELECTROCARDIOGRAPH A65-80840
APPLICATION OF TELEMETRY SYSTEMS TO BIOLOGICAL STUDY DUE TO MICROMINIATURIZATION N65-34006
- HANSON, P. G.**
VARIATION OF PLASMA KETONES AND FREE FATTY ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301
KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD PLASMA DURING EARLY PERIOD OF STARVATION IN MAN A65-82249
PLASMA FREE FATTY ACID CHANGES IN MAN FASTING DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID INGESTION A65-82363
- HANST, P. L.**
ABSORPTION INTENSITY OF CARBON DIOXIDE BANDS AND MARTIAN CARBON DIOXIDE ABUNDANCE AND ATMOSPHERIC PRESSURE AS BASE OF DESIGN FOR MARS ENTRY VEHICLE A65-82273
- HARADA, K.**
THERMAL SYNTHESIS OF AMINO ACIDS FROM HYPOTHETICALLY PRIMITIVE TERRESTRIAL ATMOSPHERE A65-80475
THERMAL POLYCONDENSATION OF FREE AMINO ACIDS WITH POLYPHOSPHORIC ACID A65-80481
CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS N65-18596
SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND PROTEINOID PRODUCTION FOR NUTRITIONAL INVESTIGATION
NASA-CR-56268 N65-22180
- HARAKAS, T.**
BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM - HUMAN PERFORMANCE
AMRL-TR-64-108 N65-19150
- HARALAMBIE, G.**
LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE DURING AND FOLLOWING PHYSICAL ACTIVITY A65-81352

- HARBER, L. C.
VISIBLE LIGHT PHOTOTOXICITY AND PHOTOALLERGY
A65-81089
- HARBOLD, G. J.
IMPULSIVE NOISE MEASUREMENT VIA EXTENDED ACOUSTIC
TRANSIENT RESPONSE FOR FIELD STUDIES OF WEAPONS,
USING VARIOUS MICROPHONE SYSTEMS
A65-32635
- PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM
VARIOUS WEAPON SYSTEMS
A65-81682
- HARCUM, E. R.
EFFECT OF SYMMETRY ON VISUAL PERCEPTION OF
TACHISTOSCOPIC PATTERNS
A65-80736
- ISOLATION EFFECT IN VISUAL PATTERN PERCEPTION
SIMILAR TO EFFECT IN SERIAL LEARNING
A65-81751
- HARDACRE, L. E.
DEVELOPMENT OF MOTION SICKNESS QUESTIONNAIRE FOR
EARLY IDENTIFICATION OF FLIGHT TRAINING STUDENTS
SUSCEPTIBLE TO MOTION SICKNESS
NSAM-916
N65-25215
- HARDAWAY, R. M., III
TRAUMA AND HEMOLYSIS INFLUENCE ON HEMORRHAGIC
SHOCK IN DOGS
N65-22763
- HARDER, D.
BIOPHYSICS OF RELATIVE BIOLOGICAL EFFECTIVENESS OF
VARIOUS TYPES OF RADIATION
A65-80841
- HARDER, R. D.
SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVEN-1440-1
N65-31622
- HARDESTY, D. L.
RESPONSE LATENCY IN VIGILANCE TASK WITH CONSTANT
AND VARIABLE INTERVAL SCHEDULES
A65-81643
- RESPONSE LATENCY IN SIMPLE VIGILANCE TASK AS
FUNCTION OF TEMPORAL PATTERN OF STIMULATION
A65-81855
- HARDY, E. P., JR.
FALLOUT DEPOSITION - RADIOACTIVE NUCLEIDE LEVELS
IN MILK, TAP WATER, SOIL, AND UPPER ATMOSPHERE
AIR SAMPLES
HASL-155
N65-15865
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS
WORLDWIDE SAMPLINGS AND STRATOSPHERIC
DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158
N65-22800
- HARDY, G. M.
FEASIBILITY OF MANNED PARTICIPATION IN CONTROL
OF LARGE LAUNCH VEHICLE
NASA-TN-D-2807
N65-23166
- HARDY, J. C.
MONITORING TECHNIQUES FOR DETERMINING
PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS
ON HUMAN PERFORMANCE
A65-10694
- HARDY, J. D.
HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF
COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT
EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT
ENVIRONMENT
A65-24076
- METHOD FOR MEASUREMENT OF HUMAN HEAT EXCHANGE IN
COMPLEX RADIANT ENVIRONMENT
A65-81063
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING
INTENSE THERMAL RADIATION EXPOSURE
A65-81915
- SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL
WARM WATER IMMERSION
A65-81916
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING
EXPOSURE TO INTENSE THERMAL RADIATION
DASA-1566
N65-28921
- HARE, T. A.
NITROGEN METABOLISM DURING SYNCHRONOUS GROWTH OF
ALGA, CHLORELLA PYRENOIDOSA
A65-80880
- HARGREAVES, J. J.
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE
N65-14454
- HARKINS, H. N.
STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN
MACACA NEMESTRINA
A65-80307
- HARNER, W. R.
HUMAN ENGINEERING DESIGN CRITERIA - OPERATIONAL
ENVIRONMENT, SAFETY, CONTROL AND DISPLAY,
DECISION MAKING, ANTHROPOMETRY, CLOTHING, AND
MAINTAINABILITY
NASA-CR-60855
N65-17511
- HARRINGTON, T. J.
METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED
SUITS EXERCISING IN HIGH ALTITUDE CHAMBER
A65-81965
- HARRINGTON, T. L.
ADAPTATION OF HUMANS TO COLORED SPLIT-FIELD
GLASSES
A65-82283
- HARRIS, C. S.
VIBRATION EFFECT ON HUMAN PERFORMANCE
AMRL-TR-64-83
N65-13996
- HARRIS, D. G.
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- HARRIS, J. D.
HEARING-LOSS TREND CURVES AND DAMAGE-RISK
CRITERION IN DIESEL-ENGINE ROOM PERSONNEL
A65-80882
- HEARING LOSS AT 1000-2000 C.P.S. AS RELATED TO
SPEECH INTELLIGIBILITY PREDICTION
A65-81337
- HARRIS, J. R.
TWO DIFFERENT AFTER-EFFECTS OF EXPOSURE TO VISUAL
TILTS
A65-81662
- HARRIS, P.
FACTORS INFLUENCING CONCENTRATION OF EXPIRED
NITROGEN AFTER BREATHING OXYGEN
A65-80311
- HARRISON, D. F. M.
AUDITORY PERCEPTION - ENERGY TRANSFORMATIONS
WITHIN INNER EAR
AFOSR-65-0040
N65-28205
- HARRISON, G. M.
MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY
A65-81312
- HARRISON, G. W., JR.
THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387
- HARRISON, R. M.
SYMBOLS FOR HIGH RESOLUTION VIDEO MAPS,
CONSIDERING AERONAUTICAL AND NATURAL OR ARTIFICIAL
CONFIGURATIONS
A65-21613
- HART, B. L.
ELECTROMYOGRAPHIC ELECTRODE DESIGNED FOR
IDENTIFICATION OF RECORDING SITES
A65-81922

- HART, J. R.
VARIABILITY IN FLICKER FUSION FREQUENCY RELATED
TO COGNITIVE CONTROL AND ATTENTION
A65-81758
- HART, J. S.
THERMOREGULATION AND COLD ACCLIMATIZATION IN
GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS
A65-81137
- HART, L.
RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION
A65-80883
- HART, M. C.
DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF
BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN
WASHOUT METHOD
A65-80306
- HART, R. G.
SCHEMATIC VIEW OF ORIGIN OF LIFE - SEQUENCE
PROPAGATION AND TRANSCRIPTION, DUAL
TRANSCRIPTION, CHROMOSOME-MESSENGER, METABOLISM,
AND PROTOPLASM
UCRL-14254
N65-31001
- HARTER, M. R.
PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256
- HARTL, O.
HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL
A65-82210
- HARTLAGE, L. C.
KNOWLEDGE OF RESULTS AND CAUTIOUSNESS IN SIGNAL
DETECTION
A65-81491
- HARTLEY, J. L.
CARDIOVASCULAR AND PSYCHO GALVANIC SKIN
RESPONSE MONITORING DEVICES - ELECTRONIC
MICROINSTRUMENTATION IN DENTISTRY
SAM-TR-64-90
N65-30496
- HARTMAN, B. O.
HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING
HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY,
WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL
PROBLEMS, ETC
A65-35148
- AIR TRANSPORT OF PSYCHIATRIC PATIENTS- COMPARISON
OF CHLOROPROMAZINE, PROCLORPERAZINE, AND
AMOBARBITAL FOR IN-FLIGHT MANAGEMENT
A65-80130
- HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS
A65-82318
- POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62
N65-17438
- AEROSPACE MEDICAL EXPERIMENTS FOR MANNED SPACE
FLIGHT PSYCHOPHYSIOLOGY - WEIGHTLESSNESS, SPACE
CABIN SIMULATOR, AND DYNAMIC RESPONSE
AO-612636
N65-25895
- FATIGUE EFFECTS ON PILOT PERFORMANCE AFTER 24 HOUR
SIMULATED TRANSPORT FLIGHT
SAM-TR-65-16
N65-26570
- HARTMAN, J. L.
PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- HARTSTOCK, R.
SURVIVAL OF DOGS WITH BRAIN INJURY BY FREEZING AS
AFFECTED BY HYPOTHERMIA
A65-82291
- HARVEY, W. T.
HEARING SENSATIONS IN AMPLITUDE MODULATED RADIO
FREQUENCY FIELDS
GE/EE/64-11
N65-16662
- HASE, E.
EFFECTS OF GLUCOSE ON PROCESS OF CHLOROPLAST
DEVELOPMENT IN CHLORELLA PROTOTHECOIDES
A65-81640
- DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES
A65-82347
- EFFECT OF MITOMYCIN C ON PROCESSES OF GREENING AND
DIVISION OF GLUCOSE BLEACHED CELLS OF CHLORELLA
PROTOTHECOIDES
A65-82348
- HASEGAWA, A. T.
RELATION BETWEEN SPLEEN OXYGEN TENSION AND
RADIATION PROTECTION IN MICE
N65-19216
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN
SPLEEN AND VENA CAVA OF MICE INJECTED WITH
SODIUM NITRATE TO STUDY RADIO PROTECTIVE ACTION
SAM-TR-65-13
N65-30506
- HASLAG, W. M.
TEMPERATURE REGULATION IN YOUNG WOMEN
A65-82163
- HASS, G. M.
STERIOD ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56
N65-22075
- HASSELMANN, M.
SODIUM AND POTASSIUM LOSSES THROUGH SWEATING
DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS
AND NATIVES
A65-80959
- HASSMANNOVA, J.
DECREASED BODY TEMPERATURE AND EFFECT
ON CONDITIONED REFLEXES IN RATS
A65-80328
- HASTERLIK, R. J.
ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE
CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND
REAL PARTICULATE FALLOUT
ACRH-102
N65-13845
- HASUMARA, N.
VENTILATORY RESPONSE TO CARBON DIOXIDE DURING
HYPOXIA IN DOGS
A65-81895
- HATTON, G. I.
HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999
- HAUGAARD, N.
TOXIC ACTION OF OXYGEN ON METABOLISM AND ROLE OF
TRACE METALS
A65-80366
- POISONING OF CELLULAR REACTIONS BY OXYGEN
A65-81513
- HAUPT, G. J.
PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- HAUPT, G. T.
SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61
N65-12131
- HAAUSAMEN, T.-U.
EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE
OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING
EXPOSURE TO HYPOBARIC PRESSURE
A65-81697
- HAUSSCHILD, A. H. W.
IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS
A65-81891
- HAUTY, G. T.
HEALTH, MORALE AND BEHAVIORAL HABIT CORRELATION
WITH FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC
CONTROL FACILITIES, NOTING STRESS-RELATED SYMPTOMS
A65-22910

- FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL FACILITIES AND STRESS-RELATED SYMPTOMS
A65-80895
- PILOT FATIGUE - INTERCONTINENTAL JET FLIGHT BETWEEN OKLAHOMA CITY AND TOKYO
AM-65-16 N65-34020
- HAVENS, D. E.
SPACE CABIN SIMULATOR AND TESTING OF INTEGRATED LIFE-SUPPORT SYSTEMS WITH CREW
ASME PAPER 65-AV-19 A65-25030
- HAYRON, M. D.
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN FACTORS
RD-64-94 N65-10648
- HAWARD, L. R. C.
DRUG-INDUCED FATIGUE DECREMENT IN AIR TRAFFIC CONTROL
A65-81573
- HAWKES, G. R.
MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE STIMULUS PRESENTATIONS
A65-80563
- AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- HAWKINS, J. E., JR.
CELLULAR PATTERN OF NEUROEPITHELIUM IN ORGAN OF CORTI EMPHASIZING SENSORY CELLS, NEURAL STRUCTURE AND FLUID SPACES
A65-25646
- STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION AGAINST NOISE INJURY AND IN UNDERSTANDING OF SPEECH
A65-80010
- HAWRYLEWICZ, E. J.
IMPACT STRESS IN CHIMPANZES SUBJECTED TO G FORCES FROM 54 TO 180 AS MEASURED BY SERUM LACTIC DEHYDROGENASE AND LDH ISOENZYME ANALYSIS
A65-22911
- RESPONSE OF MICROORGANISM TO SIMULATED MARTIAN ENVIRONMENT INVESTIGATED, USING CULTURE COLLECTIONS AND SOIL SAMPLES
A65-30676
- HAY, D. L.
REACTION TIME OF PREADOLESCENT CHIMPANZEE
ARL-TR-64-10 N65-10466
- HAY, J. C.
PASSIVE TEST OF EYE-HAND COORDINATION WITH PRISM DISPLACEMENT AND ADAPTATION MEASURED BY ERROR FROM PRETEST TO POST TEST
A65-81649
- HAYAKAWA, T.
CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND PROTEINOID PRODUCTION FOR NUTRITIONAL INVESTIGATION
NASA-CR-56268 N65-22180
- HAYATSU, R.
ORGANIC NITROGEN COMPOUNDS EXTRACTED FROM ORGUEIL METEORITE AS RELATED TO EXTRATERRESTRIAL LIFE
A65-80080
- EVIDENCE OF TERRESTRIAL BIOGENIC CONTAMINATION OF ORGUEIL METEORITE SAMPLE NO. 9419 AS RELATED TO VALIDITY OF EXTRATERRESTRIAL LIFE FOUND IN OTHER SAMPLES
A65-80081
- ABIOGENIC FORMATION OF CARBON COMPOUNDS IN ORGUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS CHONDRITES SUGGESTED BY MASS SPECTROMETRY
A65-82013
- HAYDEN, P.
BIOLOGICAL RHYTHMS IN POCKET MICE
NASA-CR-50597 N65-16436
- HAYDEN, R. O.
MEASUREMENT OF AORTIC, LEFT AND RIGHT VENTRICULAR, PULMONARY CAPILLARY AND ARTERIAL PRESSURES,
HEART RATE, CARDIAC AND STROKE INDEX, AND OTHER HEMODYNAMIC DATA ON MACACA MONKEYS
AMRL-TDR-64-69 N65-13994
- HAYES, J. R.
ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER LASER IRRADIATION IN PIGS
A65-81096
- FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND PRIMATE
A65-81099
- HAYES, R. L.
LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL COUNTERS FOR DETECTING AND LOCALIZING RADIOACTIVITY IN PATIENTS
N65-25663
- HAYMAKER, W.
MYELINATED FIBER DEGENERATION AND REGENERATION IN CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV ALPHA PARTICLE RADIATION
A65-21945
- PATHOLOGICAL EFFECTS OF RAPID DECOMPRESSION IN EXPERIMENTAL DOGS, EXAMINING TISSUES AND LUNG DAMAGE
A65-32631
- DAMAGE OF LUNG AND BRAIN OF DOG AS RELATED TO DURATION AND EXTENT OF DECOMPRESSION
A65-81731
- ELECTRON MICROSCOPY OF RAT CEREBRAL CORTEX FOLLOWING EXPOSURE TO IONIZING RADIATION
NASA-TN-X-51592 N65-35317
- HAYS, E. L.
DEVELOPMENT OF PRESSURE SUIT FROM HALDANE TO EXTRAVEHICULAR SPACE SUIT, NOTING SUPPORT EQUIPMENT AND ADVANCED CONCEPTS
A65-12546
- HAYWARD, R.
EFFECT OF VERTICAL ACCOMMODATION AND MOIRE EFFECT IN BINOCULAR VISION
A65-82266
- HAZEL, J. T.
COMPARISON OF ERROR IN FIVE SORTING PROCEDURES FOR ORDINAL RANKING
A65-81447
- HEALER, J.
SENSORY ORGANS IN ANIMAL SYSTEMS - ANALOGY FOR MANMADE DETECTION DEVICES
NASA-CR-60434 N65-16028
- BIBLIOGRAPHY ON BIOSENSORS - MECHANORECEPTORS, PHOTORECEPTORS, CHEMORECEPTORS, THERMORECEPTORS, AND ELECTRIC AND MAGNETIC FIELD SENSORS
NASA-CR-63145 N65-25270
- HEARN, H. J., JR.
VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES
N65-22311
- HECHT, K.
PERIODICITY OF CONDITIONAL FUGITIVE REFLEX - CYBERNETICS
N65-21091
- HECKENMUELLER, E. G.
REDUCING OR STOPPING INVOLUNTARY EYE MOVEMENTS AS RELATED TO RETINAL IMAGE
A65-80661
- FORCED-CHOICE METHOD FOR USE IN BACKWARD-MASKING STUDIES WITH DISC-RING PATTERN
A65-81960
- HECKER, M. H. L.
ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE NOISE
A65-82311
- ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY REPT.-1159 N65-13172
- AUDITORY FATIGUE PRODUCED BY HIGH INTENSITY ACOUSTIC IMPULSES
REPT.-1158 N65-14366
- HECKLY, R. J.
VIABILITY OF ORGANISMS UNDER CONTROLLED ATMOSPHERIC CONDITIONS FOR EXTRAPOLATION TO NATURAL CONDITIONS
N65-23998

- HEDLEY-WHYTE, J.
OXYGEN BREATHING AND RESPIRATION DURING
HYPOTHERMIA A65-82002
- HEDRICK, H. G.
INHIBITION OF BACTERIAL, STAPHYLOCOCCUS AUREUS,
SARCINA LUTEA, AND ESCHERICHIA COLI, GROWTH
IN HOMOGENEOUS MAGNETIC FIELDS A65-80429
- HEGEDUS, S. A.
CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN
SUBJECTS WITH UNILATERAL INTERNAL CAROTID
OBSTRUCTION A65-81027
- HEGSTED, D. M.
PROTEINS IN MANNED SPACE FLIGHT NUTRITION
N65-18579
- HEIM, A. H.
RESULTS FROM FIELD TESTS OF GULLIVER AND
DIOGENES EXPERIMENTS FOR DETECTING LIFE IN SEVERE
NATURAL ENVIRONMENTS A65-30681
- RADIOACTIVE ISOTOPE BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE DETECTION - GULLIVER III
MODEL
NASA-CR-56214 N65-16497
- HEIM, L. M.
BRAIN MATURATION CORRELATION WITH ALTITUDE
ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK
SEIZURES IN RATS A65-16782
- SPINAL CORD CONVULSIONS IN DEVELOPING RAT AT HIGH
ALTITUDE /12,470 FT., 3,800 M./ A65-81587
- HEIMANN, H.
AMPHETAMINE AND PYROVALERONE HYDROCHLORIDE EFFECT
ON HUMAN PERFORMANCE A65-82198
- HEINECKER, R.
NOISE EFFECT ON HUMAN PARTICULARLY CARDIOVASCULAR
FUNCTION AND NERVOUS SYSTEM A65-81614
- HEISTAD, G. T.
WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON
CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- HELBING, J. C.
PSYCHOMETRIC VALIDATION OF PSYCHOLOGICAL SELECTION
BATTERY OF AIR TRAFFIC AND FIGHTER CONTROL
OFFICERS A65-81332
- HELLNER, K. A.
EFFERENT INHIBITION OF SINGLE ELECTRORETINOGRAM
RESPONSES OF CONTRALATERAL EYE IN MAN
A65-80780
- HELLON, R. F.
SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING
SEVERE HEAT EXPOSURE A65-80679
- HELMAN, S. I.
ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY
LIPEMIA AND HEPARIN A65-80668
- HELMREICH, R. L.
REWARD MOTIVATION IN HUMAN BEHAVIOR -
PSYCHOLOGICAL TESTING
TR-1 N65-31969
- HELMSWORTH, J. A.
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO
CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY
TESTED WITH PROTEIN A65-80177
- HELVEY, T. C.
NUTRITION IN SPACE ENVIRONMENT - CONFERENCE
NASA-SP-70 N65-18566
- HELVEY, W. M.
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- HELMIG, E. B.
ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS A65-81096
- HENENWAY, C.
TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE
ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET
AND BALLOON STUDIES A65-23840
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
AND X-RAY IRRADIATION A65-81232
- HENDEL, F. J.
WATER RECOVERY FROM HUMAN WASTES AND HYDROX FUEL
CELLS DURING LONG TERM SPACE FLIGHT
A65-14380
- MANNED SPACECRAFT OXYGEN REQUIREMENTS, CRYOGENIC
STORAGE, PRODUCTION AND TWO-GAS ATMOSPHERES
A65-14381
- HENDERSON, E. H.
ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- HENDLER, E.
HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION
AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN
CABIN ATMOSPHERE N65-14452
- EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND
GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN
PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457
- PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT
UNDER SPACE AND TIME LIMITATIONS
NAEC-ACEL-527 N65-21059
- HENKES, H. E.
FLICKER PROBLEMS AS RELATED TO PHYSICS,
ELECTRONICS, CELLULAR PHYSIOLOGY,
ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY
A65-80767
- HENKIND, P.
CORNEAL NEOVASCULARIZATION OF GUINEA PIG IN
PRESSURE CHAMBER SUPPLIED WITH 100 PERCENT OXYGEN
AT UP TO TWO ATMOSPHERES A65-80052
- HENN, R.
INCREASE IN CAPILLARIES OF CEREBRAL CORTEX OF RAT
IN CHRONIC ANOXIA A65-80998
- HENNING, G. B.
AURAL HARMONICS EFFECT ON FREQUENCY DISCRIMINATION
A65-28429
- HENNINGER, M. D.
QUALITATIVE DIFFERENCES IN QUINONE COMPOSITION OF
CHLORELLA HYDROGENASE UNDER DIFFERENT CONDITIONS
OF GROWTH A65-81194
- HENRICSSON, I. B.
RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171
- HENRY, J. P.
ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR A65-24077
- VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE A65-81064
- VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE
DETERMINATION - AEROSPACE MEDICINE
SAM-TR-65-27 N65-35036
- HENSHAW, P. S.
CONFERENCE ON LATE RADIATION EFFECTS, DEGENERATIVE
CHANGES IN LIVING SYSTEMS, AND AGING PROCESSES
WASH-1059 N65-27468
- HENTSCHEL, G.
REACTION AND PHYSICAL PERFORMANCE CAPACITY OF MAN

- AS AFFECTED BY CLIMATE A65-80502
- HENZEL, J. H.
SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE
MEASUREMENT DURING RESTRAINT AND EXPOSURE TO
VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE
ACCELERATIONS AND FREQUENCIES A65-82368
- HERBER, D.
RESPIRATORY AND CIRCULATORY CHANGES AFTER
EXPERIMENTAL FAT EMBOLISM IN DOGS A65-81688
- HERBERT, F. L.
FACTORS INFLUENCING JUDGMENT OF HUMAN
PERFORMANCE - PSYCHOLOGY TR-4 N65-13512
- HERBST, W.
PROPERTIES AND HAZARDS OF RADIOACTIVE AEROSOLS -
RADIOIODINE PRODUCED BY ATOMIC EXPLOSION
AEC-TR-6550 N65-27771
- HERCIK, F.
X-RAY EFFECT ON INTRACELLULAR BACTERIOPHAGE
PRODUCTIVITY N65-23454
- HERIN, R. A.
ELECTROENCEPHALOGRAPH AS TOOL FOR DETERMINING WHICH
CURRENT PRODUCES EFFECTIVE ANESTHESIA A65-10737
- ELECTROENCEPHALOGRAPH DURING ELECTROANESTHESIA
N65-16617
- HERLOCHER, J. E.
EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- HERMAN, L. M.
SINGLE CHANNEL HYPOTHESIS A65-80850
- HERMAN, S.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS A65-81054
- HERMANN, E. R.
NOISE-INDUCED HEARING LOSS AND BIOPHYSICAL LAW
DESCRIBING LOSS A65-80817
- HERMANSEN, L.
WORK CAPACITY IN YOUNG MEN AND WOMEN AS RELATED TO
HEART RATE AND OXYGEN UPTAKE A65-81142
- OXYGEN UPTAKE AND HEART RATE OF MIDDLE-AGED MEN
DURING PHYSICAL EXERCISE A65-81143
- HEROUX, O.
THYROID SECRETION RATE AND FECAL ELIMINATION IN
COLD ACCLIMATED RAT A65-81605
- HERRICK, J. F.
ELECTROENCEPHALOGRAPHY FOR DETERMINING COMPETENCY
OF MAN DURING ORBITAL SPACE FLIGHT
NASA-TM-X-57000 N65-34428
- HERRICK, R. M.
MEAN LEVER DISPLACEMENT AND DURATION OF RATS UNDER
VARIABLE RATIO REINFORCEMENT RESPONSES
NADC-ML-6409 N65-10409
- HERRMANN, E. C.
SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES
DURING SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
A65-80810
- HERSCHENSOHN, H. L.
LUNG VOLUME CHANGES OF EMPHYSEMA PATIENTS UPON
EXPOSURE TO SIMULATED ALTITUDE OF 18,000 FT
A65-14237
- HERSHBERGER, W.
PROGRAMMED LEARNING IMPROVED BY REVISED COPY
FORMAT - SELF-EVALUATION RESPONSE, TYPOGRAPHICAL
EMPHASIZING, AND TERSE AND DISCURSIVE TEXT
AIR-C28-7/63-TR N65-15959
- HERTZBERG, O.
RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171
- HERTZLER, J. J.
PROGRAM FOR HEARING CONSERVATION- HAZARDOUS NOISE
EXPOSURE IN PERSONNEL AT NAHA AF BASE, OKINAWA
A65-81432
- HERTZMAN, A. B.
TEMPERATURE REGULATION IN YOUNG WOMEN A65-82163
- CONTINUOUS ELECTRICAL STRAIN GAUGE RECORDING
INSTRUMENT FOR CHANGES IN HUMAN BODY WEIGHT
DURING ENVIRONMENTAL CHANGES
AMRL-TR-65-23 N65-34134
- HERZ, A.
INTERVAL ANALYSIS OF CELL DISCHARGE IN SPONTANEOUS
AND OPTICALLY MODULATED ACTIVITY IN OPTIC TRACT,
GENICULATE BODY, AND CORTEX OF CAT A65-82355
- HERZMANN, E.
POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE JPRS-32340 N65-36205
- HESSER, C. M.
ENERGY COST AND OXYGEN CONSUMPTION OF ALTERNATING
POSITIVE AND NEGATIVE WORK A65-81507
- HESSLER, O.
PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING
INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323
- HETHERINGTON, E. M.
PARADOXICAL EFFECT OF HOMOGENEOUS LIGHT
STIMULATION ON FIGURAL AFTEREFFECT A65-80093
- HEVESY, G.
LIFE CYCLE MEASUREMENT OF TISSUE CELLS USING
LABELED RADIOACTIVE ISOTOPES, DISCUSSING DIURNAL
VARIATIONS AND AGENTS RESPONSIBLE A65-29012
- HEYMAN, A.
RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY
HYPERBARIC OXYGENATION A65-80757
- EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-
HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO
OXYGEN UNDER HIGH PRESSURE A65-81129
- HEYSE, E.
MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS A65-80312
- HIATT, E. P.
AVIAN EMBRYO THROUGH HATCHING AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE AT ONE ATMOSPHERE AND IN
SEALED SYSTEM A65-19838
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY
SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR
HELIUM-OXYGEN ATMOSPHERE A65-22902
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE,
ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS,
AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS
BREATHING NEARLY PURE OXYGEN A65-82154
- ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD
PRESSURE, AND NET OXYGEN COST
NASA-CR-59419 N65-10119

- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL MAMMALS IN GASEOUS TEST CHAMBER
NASA-CR-51657 N65-17056
- BIOLOGICAL EFFECTS OF PROLONGED EXPOSURE OF SMALL ANIMALS TO PURE OXYGEN AND HELIUM-OXYGEN GASEOUS ENVIRONMENTS
NASA-CR-53543 N65-17057
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE
NASA-CR-56876 N65-22195
- HIBBEN, R. D.
SOME FORMS OF LIFE FOUND ON EARTH WHICH CAN SURVIVE CONDITIONS THOUGHT TO EXIST ON MARS
A65-81013
- HICKS, S. A.
EFFECTS OF REPEATED CONFINEMENT ON PERFORMANCE OF MEN IN TEMPERATE ENVIRONMENT
TM-11-64 N65-14407
- HIFT, H.
ENERGY METABOLISM IN DOGS AND RATS DURING IRREVERSIBLE HEMORRHAGIC SHOCK
AD-467957 N65-36174
- HIGGINS, L. S.
CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY CURARE AND RESERPINE
A65-82148
- VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED BIBLIOGRAPHY ON EJECTION-RELATED INJURIES
TI-65-041 N65-28352
- HIGGINS, P. W.
SPACE RADIATION EFFECTS ON APOLLO MISSION - OPERATIONAL PROCEDURES FOR DOSE REDUCTION
N65-34594
- HIGHLY, F. M., JR.
HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN CABIN ATMOSPHERE
N65-14452
- EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457
- HILDEBRANDT, G.
COORDINATION OF HEART AND RESPIRATORY RATES DURING PHYSIOLOGICAL WORK
A65-81853
- HILDEBRANDT, P. V.
HYPERTHERMIA EFFECT ON PROTEIN METABOLISM IN VIRUS INFECTION AND CONTROLLED FEVER IN CHIMPANZEES
N65-22761
- HILGENDORF, R. L.
EFFECTS OF INSTRUCTIONS ON WIRING TASK ACCOMPLISHMENT, SPECIFICALLY NONSENSE WIRING IBM CONTROL PANEL
A65-18289
- HILL, C. W.
SPACE RADIATION SHIELDING CODE FOR SPACECRAFT GEOMETRY
N65-34634
- HILL, J. H.
BLACK BODY AND THERMAL RADIATION FROM NUCLEAR WEAPONS IN RELATION TO FLASH BLINDNESS
A65-26169
- PILOTS ABILITY TO OPERATE A4D ELF FLASH BLINDNESS THERMAL PROTECTIVE SYSTEM WITHIN LIMITS OF SAFETY
A65-26170
- A4D AIRCRAFT FLASH BLINDNESS PROTECTIVE SYSTEM-SAFE OPERATION TIME AS AFFECTED BY SIZE OF SUBJECTS PERFORMING TRACKING PROBLEM UNDER ACCELERATION STRESS
A65-81373
- FLASH BLINDNESS DUE TO RADIATION FROM NUCLEAR EXPLOSION
NADC-ML-6412 N65-15710
- EFFECTIVENESS OF SIMPLE EYE PATCH FOR EYE PROTECTION AGAINST FLASH BLINDNESS AND DESIRABILITY OF USING LARGE NUMBERS OF OBSERVERS IN FLASH BLINDNESS RESEARCH
NADC-ML-6326 N65-27862
- HILLE, H. K.
COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL AND FLIGHT-READY MODEL OF DYNA-SOAR X-20A FULL PRESSURE SUIT ASSEMBLIES
AMRL-TR-65-86 N65-31630
- HILTZ, F. F.
METHOD FOR COMPUTER RECOGNITION OF INTRACELLULARLY RECORDED NEURONAL EVENTS
A65-81755
- HILZ, R.
THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE GRATING
A65-32834
- CONTRAST SENSITIVITY OF HUMAN EYE FOR SQUARE-WAVE GRATINGS
A65-82199
- HINDS, M.
NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND AUSCULTATORY METHODS
A65-10726
- HINGORANI, S. B.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902
- HINTZ, H.
RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655
- HINTZMAN, D. L.
AURAL CODING AND CLASSIFICATION IN SHORT-TERM MEMORY
A65-81932
- HIORNS, R. W.
SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING SEVERE HEAT EXPOSURE
A65-80679
- HIRSCH, A. E.
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION OF LIMB STRUCTURE
DTMB-1810 N65-17039
- HIRSCHMAN, N.
HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT
A65-80961
- HIRVONEN, J. I.
HYPOTHALAMO-HYPOPHYSEAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION
A65-81288
- HITCHINGS, N. B.
COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS
A65-81222
- HLAVACKOVA, V.
REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS ADAPTED TO TUMBLING TRAUMA
A65-80331
- SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-COLLIP DRUM TRAUMA OR HYDROCORTISONE ADMINISTRATION, IN YOUNG AND OLD RATS
A65-82090
- HOBART, J. L.
NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN AND RAT
A65-82327
- HOCH, G. E.
COOPERATION BETWEEN AND PLANT CONTROL OF ENERGY FLUX IN TWO LIGHT REACTIONS IN PHOTOSYNTHESIS
A65-17812
- HOCH, H.
SIMULTANEOUS STUDY OF THYROID, GONADS, AND ADRENAL FUNCTION IN AGING MEN FOR ASSESSING PHYSIOLOGICAL AGE OF INDIVIDUAL
A65-81862

- HOCHBERG, J.
BINOCULAR RIVALRY AND STEREOPSIS EXPLAINED
ON BASIS OF BINOCULAR CYCLOPEAN FIELD
A65-80245
- HOCHSTEIN, L.
SOIL PHOSPHATASE AND LEUCYL AMINOPEPTIDASE
ACTIVITY MEASURED BY FLUORESCENT ASSAY
NASA-CR-50919
N65-16278
- HOCK, R. J.
RELATIVE VISCOSITY AND OTHER FUNCTIONS OF BLOOD OF
HIBERNATING AND ACTIVE ARCTIC GROUND SQUIRRELS,
CITELLUS UNDULATUS
A65-81461
- HODGE, D. C.
HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE
AND TECHNIQUES FOR ATTENUATION AT PERSONNEL
POSITIONS
TN-4-64
N65-14344
- HODGE, R. L.
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE
A65-80180
- HODGES, W. F.
BINOCULAR RIVALRY RATE AS FUNCTION OF
PHYSIOLOGICAL AROUSAL AND VERBAL INTELLIGENCE
A65-80566
- HODOS, W.
COMPLEX ANIMAL BEHAVIOR UNDER FULL ENVIRONMENTAL
CONTROL - NEUROPHYSIOLOGICAL CORRELATES OF
BEHAVIOR
NASA-CR-53475
N65-15373
- COMPLEX BEHAVIORAL REPERTOIRES UNDER CONTINUOUS
ENVIRONMENTAL CONTROL RELATED TO BIOSATELLITE
PROGRAMS WITH ANIMALS
N65-28770
- HOEDEMAEKER, F. S.
MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING
RELATED TO EYE MOVEMENT RECORDED ON
ELECTROENCEPHALOGRAM
A65-80157
- HOEFT, L. O.
MICROWAVE HEATING IN MAN AND ANIMALS FOR VARIOUS
INTENSITIES AND EXPOSURE TIMES
A65-29059
- CAPACITANCE DETECTOR FOR MEASUREMENT OF TYMPANIC
MEMBRANE DISPLACEMENT - ACOUSTIC IMPEDANCE
AMRL-TR-64-116
N65-19152
- HOFF, H. E.
MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY
A65-81312
- HOFFMAN, J. I. E.
STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER
A65-81899
- HOFSTRA, D.
QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED
BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE
SIMULATION
A65-81535
- HOFSTRA, R.
RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE
N65-25667
- HOLDEN, K. J.
BLIND FLYING REQUIREMENTS INDICATE NEED FOR
IMPROVED INSTRUMENT DISPLAYS
A65-16441
- HOLDING, D. H.
RESTRICTION AND FORCED - RESPONSE GUIDANCE IN
TRAINING FOR TWO FORMS OF MANUAL POSITIONING
TASK
A65-82004
- HOLGERSON, L. O.
RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK
A65-81631
- HOLLAENDER, A.
INITIAL STAGES OF RADIATION DAMAGE TO BIOLOGICAL
CELLS AND GENETIC MATERIALS AND PREVENTIVE
METHODS
N65-23465
- HOLLAND, H. D.
CHEMICAL EVOLUTION OF TERRESTRIAL AND CYTHEREAN
ATMOSPHERES
A65-80890
- HOLLAND, R. A. B.
TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN
RED CELLS
A65-81906
- HOLLANDER, J. L.
CONTROLLED-CLIMATE CHAMBER USED TO DETERMINE
EFFECT OF VARYING CLIMATIC FACTORS ON DISEASES AND
ABNORMAL CONDITIONS
A65-80504
- HOLLIDAY, A. R.
EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH
D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS
ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION
AND FATIGUE
A65-80160
- HOLLOSZY, J. O.
ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK
CAPACITY AND ANTHROPOMETRIC MEASUREMENTS
OF MIDDLE-AGED MEN
A65-80203
- ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN
A65-80204
- BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION
A65-80205
- HOLLOWAY, D. H., JR.
CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION
A65-81204
- HOLLWICH, F.
EOSINOPHIL REACTION TO OCULAR LIGHT STIMULI
MEASURED IN MAN AND MOUSE
A65-80194
- HOLMBERG, C. J.
HEARING LOSS DUE TO EXPOSURE TO INDUSTRIAL NOISE
A65-81258
- HOLMES, B. E.
X-RAY AND AMINO ACID ANALOG EFFECT ON DNA
SYNTHESIS AND ON NUCLEAR PROTEIN IN LIVER CELLS
N65-23459
- HOLMES, T. H.
PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION
IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP
A65-80401
- HOLMGREN, A.
REPRODUCIBILITY OF STEADY STATE CARBON MONOXIDE
DIFFUSION CAPACITY DATA DURING EXERCISE IN MAN
A65-81320
- SIGNIFICANCE OF PULMONARY MEAN CAPILLARY CARBON
MONOXIDE BACK PRESSURE CORRECTIONS FOR REPEATED
MEASUREMENTS OF PULMONARY CARBON MONOXIDE
DIFFUSION CAPACITY DURING EXERCISE IN MAN
A65-81321
- VENOUS ADMIXTURE AND SIZE OF MORPHOLOGICAL SHUNTS
DURING MODERATE EXERCISE
A65-81695
- HOLMSTROM, F. M. G.
DECOMPRESSION SICKNESS AND INCIDENCE OF
NEUROCIRCULATORY COLLAPSE AND TREATMENT BY USAF
MEDICAL TEAM
A65-34200
- TEAM APPROACH TO MEDICAL MANAGEMENT OF
DECOMPRESSION SICKNESS IN AIRMEN
A65-82033
- MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA
AND OTHER POLAR REGIONS
AAL-TDR-64-28
N65-19970
- HOLSBERG, P. J.
MATHEMATICAL SIMULATION OF CARBON DIOXIDE PARTIAL
PRESSURES IN HUMAN LUNG, VENOUS BLOOD AND
REBREATHING BAG
A65-14157

- HOLT, T. W.
BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- HOLT, W. T.
PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE
FLIGHT PROGRAM BASED ON PROJECT MERCURY AND
GEMINI MISSIONS A65-31105
- HOLUBAR, J.
PRIMARY CORTICAL RESPONSE OF SOMATOSENSORY
AREA IN RATS DURING PROLONGED HYPOXIA A65-80232
- HOLZAPFEL, E. P.
AIR PLANKTON TRAP FOR OPERATION ON AIRCRAFT
N65-23994
- HOLZMAN, A. G.
BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM -
HUMAN PERFORMANCE
AMRL-TR-64-108 N65-19150
- HOLZMAN, B. G.
VARIOUS ASPECTS OF SPACE ENVIRONMENT RELATED TO
SPACE FLIGHT RESEARCH A65-81307
- HOMBURGER, H.
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY A65-80451
- HOMER, G.
NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601
- HOMER, G. M.
NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846
- HON, E. H.
COMPUTER PROGRAMMING TECHNIQUES TO MONITOR FETUS
DURING LABOR AND DELIVERY USING FETAL
ELECTROCARDIOGRAMS N65-28753
- HONDA, N.
TEMPERATURE REGULATION IN COLD AND WARM ADAPTED
RABBITS EXPOSED TO PERIPHERAL ARTERIAL BLOOD
PRECOOLING A65-82146
- HONDA, Y.
VENTILATORY RESPONSE TO CARBON DIOXIDE DURING
HYPOXIA IN DOGS A65-81895
- HONG, S. K.
PHYSICAL INSULATION OF HEALTHY
MEN AND WOMEN OVER 60 YEARS A65-80275
- HOOD, S. L.
RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTOBIOCHEMISTRY - ABIOTIC
NASA-CR-63560 N65-27062
- HOOD, W. B., JR.
CIRCULATORY AND RESPIRATORY EFFECTS OF WHOLE-BODY
VIBRATION IN ANESTHETIZED DOG AS AFFECTED BY
CURARE AND RESERPINE A65-82148
- HOOGENHOUT, H.
GROWTH RATES OF PHOTOSYNTHETIC MICROORGANISMS
UNDER VARIOUS CONDITIONS IN LABORATORY CULTURES
A65-80754
- HOOGERHEIDE, J.
COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN
LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV
SCREEN SIMULATING VISUAL APPROACH AND LANDING
A65-26416
- PILOTS DYNAMIC VISUAL ACUITY RELATION TO FLYING
SKILLS SUCH AS SHOOTING AND INSTRUMENT, NIGHT AND
FORMATION FLYING A65-26420
- PERIPHERAL DYNAMIC VISION REPORT SHOWS STATIC
VISUAL ACUITY EXPRESSED IN MINUTES OF ARC AS
FUNCTION OF NASAL-RETINAL POSITION OF TEST-OBJECT
- IMAGE A65-26421
- INFORMATION VALUE OF VARIOUS PATTERNS OF LANDING
STRIP LIGHTS A65-81111
- DYNAMIC VISUAL ACUITY OF 30 PILOTS RELATED TO
THEIR FLYING PERFORMANCE A65-81117
- PERIPHERAL DYNAMIC VISION COMPARED WITH STATIC
VISUAL ACUITY A65-81118
- HOON, R. S.
HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT
AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT
A65-81744
- HOOPER, T. J.
BIOCHEMICAL FUEL CELL GENERATED BY MICROBIOLOGIC
METABOLIC ACTIVITY WITHIN CLOSED WASTE DEGRADATION
WATER RECOVERY UNIT A65-34474
- HOPKINS, B. J.
EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS
UR-661 N65-22992
- HOPKINSON, W. I.
HYPERBARIC OXYGEN EFFECT ON MICROORGANISMS
PATHOGENIC FOR MAN A65-19840
- GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN A65-80725
- HOPPIN, F. G., JR.
PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE
AND CAPILLARY BLOOD FLOW DURING FORWARD
ACCELERATION A65-82152
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TN-X-51649 N65-35262
- HORAK, J.
OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF
HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS
USED A65-81947
- HORD, D. J.
RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF
ELECTROENCEPHALOGRAPH IN MAN A65-82278
- HORN, G.
SOMAESTHETIC AND ACOUSTIC STIMULI EFFECT ON
THRESHOLD OF FUSION OF PAIRED LIGHT FLASHES IN
HUMAN SUBJECTS A65-80335
- HORN, R. C., JR.
CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO
TRICHLOROETHYLENE INTOXICATION A65-82094
- HORNING, D. O.
CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE
FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND
ALGATRON SYSTEMS A65-33150
- HORNOWSKI, J.
TUBERCULOSIS IN FLYING PERSONNEL OF POLISH AIR
FORCE - FACTORS IN DEVELOPMENT AND TREATMENT
A65-80445
- HORNKYIEWTSCH, TH.
RELATIVE BIOLOGICAL EFFECTIVENESS OF COBALT 60
GAMMA RADIATION AND X-RAYS ON CARTILAGE OF
YOUNG RABBIT LARYNX
ANL-TRANS-121 N65-32833
- HOROWITZ, M. J.
DEPERSONALIZATION SYNDROME AS THREAT TO
EFFECTIVENESS OF SPACEMEN AND SUBMARINERS
A65-80222
- HOROWITZ, N. H.
PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709 N65-16815

- HORTON, B. D.
SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION A65-82358
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE A65-82360
- HORVATH, S. M.
OXYGEN UPTAKE IN RATS FORCED TO SWIM IN HOT, COLD,
AND THERMONEUTRAL WATER A65-80078
- ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602
- HOSHIZAKI, T.
LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE
FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION
WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE
A65-33948
- SPACE ENVIRONMENTAL EFFECTS ON CIRCADIAN RHYTHMS
OF PLANTS - PLANT DATA FOR USE IN BIOSATELLITES
NASA-CR-53457 N65-20981
- SPACE ENVIRONMENT EFFECT ON CIRCADIAN RHYTHMS OF
PLANTS FOR USE IN BIOSATELLITE NASA-CR-62707
N65-23742
- HOSLI, L.
SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF
SLEEPING DONOR A65-80454
- ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF
MAN TO COLOR FLICKER STIMULI A65-80775
- BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF
DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN
RETICULAR SYSTEM A65-80877
- HOSOMI, H.
VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO
STIMULATION OF AMPULLAR NERVE ANALYZED IN
ANESTHETIZED CAT A65-80463
- HOSONO, K.
EXERCISE EFFECTS ON CORONARY AND PULMONARY
CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY
SINUS CATHETERIZATION A65-31346
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND
PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL
SUBJECTS A65-81668
- HOTCHIN, J.
TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE
ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET
AND BALLOON STUDIES A65-23840
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
AND X-RAY IRRADIATION A65-81232
- HOTTA, T.
AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH
CORTICAL STIMULATION IN LATERAL THALAMUS
A65-81926
- HOU, H.-L.
MUTUALLY INHIBITORY TRANSIENT RETINAL
REACTIONS - PHYSIOLOGY N65-29348
- HOUDAS, Y.
TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT
A65-80109
- THERMAL PROTECTION DURING PARACHUTE JUMP FROM HIGH
ALTITUDE A65-80119
- INITIATION OF SWEATING IN MAN AFTER ABRUPT RISE IN
ENVIRONMENTAL TEMPERATURE A65-81912
- HOUGHTON, K. H.
SPACE MISSION SIMULATION SYSTEM DESIGN DEVELOPMENT
AND MANAGEMENT TECHNIQUES INCLUDING FOUR-MAN 30-
DAY MISSION SPACE CHAMBER EXPERIMENT
- HSIAO, C. C.
LIFE SUPPORT SUBSYSTEM DEVELOPMENT AND ENGINEERING
WITH SPACE CABIN SIMULATOR FOR ENVIRONMENTAL
SIMULATION SM-47691 N65-17977
- HOUSEMAN, J. F.
DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES NAVTRADEVCE-1329-1 N65-10522
- HOUSSIADAS, L.
PERCEPTION OF ILLUSIONS AS CONSTANCY PHENOMENON
A65-82105
- HOUSTON, C. S.
PATHOLOGIC AND PHYSIOLOGIC EFFECT ON MAN EXPOSED
TO HIGH ALTITUDE A65-80499
- HOVNANIAN, H. P.
EXTRATERRESTRIAL LIFE DETECTION SUGGESTED VIA
QUANTITATIVE FLUORESCENT NUCLEIC ACID-ACRIDINE
ORANGE REACTION A65-30679
- HOWARD, A.
PROPOSED FRAMEWORK FOR ANALYSIS OF STRESS IN
HUMANS A65-81207
- HOWARD, I. P.
VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT
EXAFFERENT STIMULATION A65-81980
- HOWARD, J. L.
CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
PERSONNEL AND FLIGHT DUTY A65-81950
- HOWARD, P.
SECOND INTERNATIONAL SYMPOSIUM ON BASIC
ENVIRONMENTAL PROBLEMS OF MAN IN SPACE
A65-81549
- HOWE, R. M.
MAN-MACHINE PERFORMANCE MEASUREMENTS
NASA-CR-64106 N65-30469
- HOWE, W. M.
INVESTIGATION OF POSSIBILITY OF RADAR INDUCED
CATARACT A65-81073
- HOWELL, W. C.
PERFORMANCE ON COMPLEX INFORMATION-PROCESSING
TASK AS FUNCTION OF INSTRUCTIONAL SET AND
CHOICE OF SUBJECTIVE CRITERION A65-80243
- HOWLAND, J. W.
ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO
ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT
A65-80166
- WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF
DGG DURING EXPOSURE TO TWO LEVELS OF PULSED
MICROWAVES A65-82364
- HOYLE, E. M.
SPATIAL ORIENTATION EFFECT ON POGENDORFF ILLUSION
A65-81316
- HRDLICKA, J.
TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART
FUNCTIONS AND RESPIRATION A65-81208
- HRUZA, Z.
REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND
CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS
ADAPTED TO TUMBLING TRAUMA A65-80331
- LYMPHOCYTOPENIA AND ADAPTATION AFTER TUMBLING
TRAUMA IN RAT A65-80332
- SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-
CELLIP DRUM TRAUMA OR HYDROCORTISONE
ADMINISTRATION, IN YOUNG AND OLD RATS
A65-82090
- HSIAO, C. C.
SURVEY OF DRUGS FOR PROTECTION FROM IONIZING
RADIATION N65-20138

- HSIEH, A. C. L.
DIGITAL BLOOD FLOW DURING COLD WATER IMMERSION OF
HAND A65-80302
- HSIN, W.-C.
EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE N65-32652
- HSING, C.
STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY
N65-20588
- HSU, C. C.
ULTRASOUND AS MEDICAL DIAGNOSTIC TOOL
N65-32587
- HSU, L.-T.
HUMAN EFFICIENCIES COMPARISON IN USE OF VERBAL
AND MOTOR REACTIONS TO VARIOUS CODED SIGNALS
A65-18333
- HUA, C.-H.
EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE N65-32652
- HUBAC, M.
EOSINOPHIL LEVELS IN PERIPHERAL BLOOD AFTER STATIC
AND DYNAMIC WORKLOADS A65-80002
- HUBER, H.
RADIOPROTECTIVE EFFECT OF VITAMINS AND OTHER
NATURALLY OCCURRING COMPOUNDS IN ONION, ALLIUM
CEPA, ROOTLETS A65-81300
- HUDDLESTON, H. F.
TABLE OF MAIN AREAS OF PSYCHOLOGICAL RESEARCH IN
ORBITAL FLIGHTS FROM APRIL 1961 TO JUNE 1963
A65-10483
- SPACE FLIGHT SIMULATORS FOR SELECTING AND TRAINING
ASTRONAUTS, EMPHASIZING SIMULATION OF VARIOUS
SITUATIONAL STRESSORS A65-23460
- PSYCHOLOGICAL RESEARCH AREAS EXPLORED IN
SUBORBITAL AND ORBITAL FLIGHTS BETWEEN APRIL
1961 AND JUNE 1963 A65-80450
- SPACEFLIGHT SIMULATORS FOR ASTRONAUT SELECTION AND
TRAINING A65-81276
- HUDSON, E. M.
TRANSFER OF TRAINING IN PERFORMANCE OF DYNAMIC
TRACKING TASKS OF VARYING COMPLEXITY IN ADAPTIVE
AND NONADAPTIVE MODES - PSYCHOLOGY
NAVTRADEVCE-1395-1 N65-16106
- HUERTAS, J.
RELATIONSHIP OF DIFFERENT STAGES OF
CONSCIOUSNESS, ELECTROENCEPHALOGRAMS, AND
ELECTROMYOGRAMS STUDIED BY EVOKED MYOGRAPHY
ELICITED BY NERVE STIMULATION IN MONKEYS
N65-28774
- HUFFMAN, H. W.
MECHANICALLY DRIVEN ANGULAR ACCELERATION DEVICE
USED AS VESTIBULAR STIMULATOR
AM-64-15 N65-16216
- HUG, D.
INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR
SYSTEMS TO IONIZING RADIATION N65-23467
- HUGGARD, A. J.
CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,
AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-O-4/65 N65-28883
- HUGHES, F. W.
EFFECT OF DEXTRO-AMPHETAMINE, ETHANOL, AND DEXTRO-
AMPHETAMINE-ETHANOL COMBINATIONS ON HUMAN
PERFORMANCE WITH DELAYED AUDITORY FEEDBACK STRESS
A65-80161
- HUGHES, G. W.
ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN
EYES OF CATS DURING LIGHT AND DARK ADAPTATION.
A65-82353
- HUGHES, R. C.
COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517
- TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- HULL, A. J.
ACOUSTIC FACTORS VERSUS LANGUAGE FACTORS IN
SHORT-TERM MEMORY A65-82280
- HULL, A. P.
NATURAL BACKGROUND AND RADIATION LEVELS
ATTRIBUTABLE TO LABORATORY OPERATIONS DURING
1963
BNL-915/T-376/ N65-34205
- HULL, C. D.
AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION A65-80055
- CEREBRAL CORTICAL TEMPERATURE OF CAT DURING SLEEP
AND WAKEFULNESS AND IN AROUSAL A65-81930
- HULL, D.
METABOLISM AND HEAT PRODUCTION OF BROWN FAT IN
MAMMALS A65-81743
- HULL, R. C.
STIMULUS INTENSITY AND PHOTICALLY EVOKED CEREBRAL
RESPONSE AS POSSIBLE OBJECTIVE INDEX OF BRIGHTNESS
PERCEPTION FOR MAN A65-24831
- HULL, W. E.
PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY
SYSTEM BY ANALOG COMPUTER
AD-606521 N65-12246
- HULTGREN, H. N.
PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE A65-80670
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN
A65-80671
- HUMPHRIS, D.
NEUROPSYCHOLOGICAL EXPLANATION OF UNITY OF
BINOCULAR VISION A65-80389
- HUNG, J. C.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374
- HUNT, D. P.
CONFERENCE ON PREDECISIONAL PROCESSES IN DECISION
MAKING - ASSESSMENT OF PRESENT DECISION THEORY
ADEQUACY IN DEALING WITH HUMAN DECISION MAKING
BEHAVIOR
AMRL-TDR-64-77 N65-22475
- HUNT, J. N.
EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS
AND POSTURES A65-81246
- HUNT, R. A.
SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC
PRESSURE A65-81174
- HURDUC, H.
SPACE BIOLOGY IN THE SOVIET UNION
FTD-TT-64-664/16364 N65-10288
- HURST, G. S.
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO
SPACE RADIATION - HIGH ENERGY PROTONS
N65-34607
- HURST, P. M.
INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTI-AIRCRAFT WARFARE

- REPT.-567-R-2 N65-28334 A65-81627
- HURTADO, A.
PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND
NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING
AND INSULIN A65-82168
- HUSTIN, A.
NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT
PERSONNEL A65-80873
- HEARING PROBLEMS IN PERSONNEL OF SABENA AIRLINES
FROM 1958 TO 1962 A65-81780
- HUSTMYER, F. E., JR.
CONSISTENCY AND TEST - RETEST RELIABILITY OF
SPONTANEOUS AUTONOMIC NERVOUS SYSTEM ACTIVITY
/ELECTRODERMAL RESPONSE/ AND EYE MOVEMENT A65-81658
- HUTCHINS, C. W., JR.
PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM
FLIGHT TRAINING A65-82128
- FLIGHT TRAINING PERSONNEL ATTRITION RATES
BUMED-40 N65-17242
- PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS
PREDICTOR OF SUCCESS IN FLIGHT TRAINING
AD-619302 N65-35199
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING
NSAM-932 N65-36226
- HYDE, A. S.
HUMAN TOLERANCE TO PROLONGED ACCELERATION
AMRL-TR-65-36 N65-27334
- HYDE, C. M.
MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL
PHENOMENA IN CARDIAC TISSUE A65-10724
- RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND
MAGNETOCARDIOGRAM N65-16604
- HYDE, R. W.
PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE
AND CAPILLARY BLOOD FLOW DURING FORWARD
ACCELERATION A65-82152
- HYDEN, H.
OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN
CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS A65-82070
- HYGH, E. H.
IMPACT TESTING OF HELMETS BY SWINGAWAY AND ANVIL
METHODS TO DETERMINE CAPABILITY TO ABSORB MULTIPLE
BLOWS A65-11395
- HYMAN, A.
VISUAL DISTANCE ESTIMATION IN SPACE USING ANGULAR
SUBTENSE, ILLUMINANCE AND LUMINANCE OF CELESTIAL
AND ORBITAL BODIES A65-35481
- IAMPIETRO, P. F.
HEAT TOLERANCE OF MEN WORKING IN HOT, HUMID
ENVIRONMENT A65-80305
- TOLERANCE OF HOT, WET ENVIRONMENTS BY RESTING MEN
A65-80676
- IANKOVSKII, E. IA.
TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545
- IARMONENKO, S. P.
RADIATION PROTECTION EFFECTS OF AET AND S- MOT AS
FUNCTION OF MARROW CELLS IN MICE A65-26896
- EFFECT OF PROTECTORS ON BONE MARROW REGENERATION
AFTER IRRADIATION BY SUBLETHAL DOSES OF
X-RADIATION A65-81551
- REGENERATION OF BONE MARROW AFTER IRRADIATION BY
600 MEV PROTONS AND X-RAY IN ALBINO MICE
- BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
- DISTRIBUTION OF PSEUDOREA AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE A65-81675
- IASKA, V.
EFFECT OF DIFFERENT NITROGEN SOURCES ON AMINO ACID
AMOUNT IN GREEN ALGA, SCENEDESMUS QUADRICAUDA A65-82187
- EFFECT OF NITROGEN CONCENTRATION IN MEDIA ON
AMOUNT OF PROTEIN, CARBOHYDRATE AND LIPIDS
PRODUCED BY SOME GREEN ALGAE A65-82248
- IAZDOVSKII, V. I.
MENTAL STRESS EFFECTS ON ASTRONAUT DURING SPACE
FLIGHT REFLECTED IN PULSE RATE A65-80087
- WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND
SECONDARY PHYSIOLOGICAL RESPONSE IN MAN A65-80088
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG
DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V
SATELLITES A65-80150
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438
- PHYSIOLOGICAL RESPONSES DURING FIRST SOVIET
SPACECRAFT RENDEZVOUS IN FLIGHT A65-81301
- IBERALL, A. S.
REGULATION AND CONTROL IN BIOLOGICAL SYSTEMS
MODELING BODY BY DYNAMIC NETWORKS A65-15863
- MAMMALIAN MICROCIRCULATION MODEL FOR ADAPTIVE
CONTROL SYSTEM WHICH REGULATES METABOLIC OXYGEN
FLOW TO SKELETAL MUSCLES A65-34988
- APPLICATION OF DYNAMIC OSCILLATOR PRINCIPLES TO
BLOOD CIRCULATION CYCLE EFFECT ON HUMAN BODY
SURFACE TEMPERATURE REGULATION
NASA-CR-59990 N65-13861
- NONEXTENSION LINES FOR IMPROVEMENT OF MOBILITY
IN FULL PRESSURE SUITS
AMRL-TR-64-118 N65-17139
- INTERNAL HUMAN SYSTEMS DYNAMIC RESPONSE -
AUTOMATIC CONTROL THEORY, TEMPERATURE CONTROL,
CARDIOVASCULAR SYSTEM, HORMONE DYNAMICS,
AND BEHAVIORAL ORGANIZATION
NASA-CR-219 N65-23813
- REGULATION AND CONTROL ANALYSIS OF SOME INTERNAL
HUMAN SYSTEMS DYNAMICS
NASA-CR-64641 N65-33251
- MATHEMATICAL MODELING OF HYDRODYNAMICS OF ARTERIAL
SYSTEM AND OBSERVATIONS OF MAMMALIAN
MICROCIRCULATION
NASA-CR-67225 N65-35105
- IBSEN, B.
AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO
ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD
CIRCULATION, AND BODY HEAT REGULATION A65-82031
- IDLINA, A. G.
STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592
- IFZAL, S. M.
GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION
BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA
COLI A65-82320

- IGARASHI, E.
COMPARISON OF TWO METHODS FOR MEASURING AUDITORY
ADAPTATION BY MEANS OF BEKESY AUDIOMETER A65-80199
- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE
MODULATED TONES A65-80914
- IGARASHI, M.
COMPARATIVE HISTOLOGICAL STUDY OF REINFORCED AREA
OF SACULAR MEMBRANE IN MAMMALS NASA-CR-60389 N65-19746
- ANATOMICAL STUDY OF HORIZONTAL SERIAL SECTIONS OF
SQUIRREL MONKEY INNER EAR NASA-CR-57931 N65-21338
- ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS
NASA-CR-67573 N65-36594
- IGELMAN, J. M.
EFFECT OF LASER RADIATION ON TYROSINASE ACTIVITY
IN HUMAN SKIN A65-81098
- IGGO, A.
THERMORECEPTOR RESPONSE OF MONKEY AS AFFECTED BY
MODERATE CHANGE IN CUTANEOUS TEMPERATURE A65-80102
- IKEDA, M.
NEGATIVE FLASHES, POSITIVE FLASHES, AND FLICKER
EXAMINED BY INCREMENT THRESHOLD TECHNIQUE A65-81016
- IKEGAMI, H.
HUMAN ELECTROENCEPHALOGRAPH RESPONSE TO INDUCED
HYPOXIA IN LP CHAMBER, NOTING DESYNCHRONIZATION
AND AROUSAL ACTIVATION A65-18839
- OXYGEN INHALATION IN PROLONGATION OF TIME OF
USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN
INHALATION BY RABBITS A65-31343
- HYPOXIC EFFECT ON HUMAN ELECTROENCEPHALOGRAPH AT
SIMULATED HIGH ALTITUDE A65-80550
- ELECTROENCEPHALOGRAPH AND PULSE RATE OF RABBIT AS
AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA
A65-81666
- IKELS, K. G.
INTENSITY AND DURATION OF BENDS PAINS DETERMINED
BY SIMULATED ORBITING LABORATORY FLIGHTS OF
VARIOUS DURATION INVOLVING ANALYSES OF NITROGEN
DISSOLVED IN BLOOD A65-24074
- DISSOLVED NITROGEN AND BENDS IN OXYGEN-NITROGEN
MIXTURES DURING EXERCISE IN STIMULATED SPACE FLIGHT
A65-81071
- GAS CHROMATOGRAPHY IN CONJUNCTION WITH MODIFIED
VAN SLYKE APPARATUS FOR DETERMINING SMALL
VOLUMES OF NITROGEN IN DISSOLVED BLOOD
SAM-TR-65-6 N65-23841
- ILCHEVICH, N. V.
MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM
AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS
N65-17836
- ILIE, M.
PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT
PROTECTION AND APPLICATION OF PHYSIOCHEMICAL
ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1&2&3&4 N65-28531
- ILIN, YE. A.
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681
- EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE
HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704
- ILYANOK, V. A.
PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY
OF BRAIN RSIC-298 N65-20526
- ILYUCHENOK, P. YU.
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL
CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING
ACTION OF HYDRAZINE DERIVATIVES N65-17747
- IMANALIEV, M. I.
CHANGES IN ARTERY PRESSURE, HEART RHYTHM, AND
RESPIRATION WITH NORMAL AND DEPRESSED THYROID
GLAND FUNCTIONING IN MOUNTAIN CONDITIONS N65-17825
- IMSHENETSKII, A. A.
ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS
A65-30685
- MICROBIOLOGICAL ANALYSIS OF IRON AND STONE
METEORITES, NOTING ABILITY OF BACTERIA TO
PENETRATE INTO CENTRAL REGIONS A65-30687
- IMUS, H. A.
PSYCHOLOGICAL FACTORS AND ASTRONAUT PERFORMANCE IN
SPACE TRAVEL A65-81791
- INGELFINGER, A. L.
LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS
IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP
TO ONE YEAR A65-11642
- INGELFINGER, F. J.
DIET AND NUTRITION EFFECT ON GASTROINTESTINAL
SYSTEM AND BOWEL MOTILITY N65-18585
- INGLE, D. J.
MONOCULAR DISCRIMINATION BY TRAINED GOLDFISH OF
DIFFERENT PATTERNS AND COLORS, SHOWING
INTERHEMISPHERIC COLOR INFORMATION TRANSFER MORE
EFFECTIVE THAN PATTERN A65-35588
- INGLE, G. F.
SOLID STATE ULTRASONIC TRANSMITTING INSTRUMENTS
FOR OBSERVING ANIMAL PHYSIOLOGY AND MONITORING
ENVIRONMENTAL FACTORS AD-612908 N65-26003
- INGLIS, J.
SENSORY DEPRIVATION AND COGNITIVE DISORDER
A65-81040
- AGE EFFECT ON SHORT-TERM STORAGE MEMORY AND SERIAL
ROTE LEARNING A65-82109
- DICHOTIC LISTENING AND RECALL AS RELATED TO
CEREBRAL DOMINANCE A65-82310
- INGRAHAM, J. L.
REPEATED FREEZING AND THAWING OF CULTURES OF
ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND
FROZEN WITHOUT CARBON SOURCE A65-32937
- INGRAM, M.
ASPECTS OF ACUTE RADIATION INJURY AS RELATED TO
ACCIDENTAL X-RAY EXPOSURE AND METHODS OF TREATMENT
A65-80166
- FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN
NORMAL ACUTELY BLED DOGS UR-662 N65-23105
- PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY
EXPOSURE OF STAINED BLOOD FILMS UR-663 N65-24622
- INTYKBAEVA, B. B.
SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- IRELAND, P. E.
CONTROL OF VERTIGO AND POSSIBLE TREATMENT OF
MOTION SICKNESS WITH THIETHYLPERAZINE, A NEW
PHENOTHIAZINE A65-82036
- IRIKI, M.
SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL
COOLING WITHIN VERTEBRAL CANAL A65-80322
- THERMOREGULATION IN DOG DURING INTERNAL COOLING
AFTER SECTION OR COLD BLOCKADE OF VAGAL NERVES

- IRVING, A.
EFFECT OF WARNING INTERVAL VARIABILITY ON LATENCY
OF INVOLUNTARY BLINK RESPONSE TO INTENSE VISUAL
STIMULATION A65-80191
- IRVING, D. C.
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE
FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF
CURRENT-TO-DOSE CONVERSION FACTORS N65-34597
- VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE
VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598
- IRWIN, R. J.
BINAURAL SUMMATION OF THERMAL NOISES OF EQUAL AND
UNEQUAL POWER IN EACH EAR A65-81104
- MATCHING LOUDNESS AND VOCAL LEVEL A65-82106
- ISAAC, G. J.
COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517
- ISAAKYAN, L. A.
MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON
VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY
MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT
TEMPERATURE A65-30482
- PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN
TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING
CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS
EXCHANGE N65-31041
- ISAAKYAN, L. S.
TIME FACTOR IN RETAINING CONSCIOUSNESS DURING
RAPID EMERGENCY DESCENT TO LOWER ALTITUDE N65-13689
- NEUROPSYCHIC TENSIONS IN PILOTS DURING AIRCRAFT
LANDINGS N65-13690
- CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS N65-13691
- ISAKOV, P. I.
PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER
WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS
IN ORBITAL FLIGHT
NASA-TT-F-9593 N65-36752
- ISAKOV, P. K.
RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT
CONTROL SYSTEM A65-29944
- PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL
EFFECT OF ACCELERATION AND WEIGHTLESSNESS A65-80931
- EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641
- HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL
ACCELERATION N65-13639
- GRAVITATIONAL EFFECTS ON ORGANISMS N65-13692
- EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION
OF ORGANISM N65-15679
- HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714
- ISAKOV, P. T.
ASTRONAUT PERFORMANCE ABOARD VOSKHOD I AND II
SPACECRAFT WITH RESPECT TO CHANGES IN CONTROL
ACTIVITY, VISUAL RESOLUTION AND QUALITATIVE
ANALYSIS OF OPERATIONAL MEMORY A65-35251
- ISAKOVA, T. V.
INVERSION OF PHOTIC EVOKED POTENTIALS IN VISUAL
CORTEX OF CONSCIOUS RABBITS A65-81485
- ISHIZU, Y.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION A65-81434
- ISLAM, F.
GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION
BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA
COLI A65-82320
- ISHAIL, A. H.
DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS
FROM FACTOR ANALYSIS RESULTS A65-81913
- ISSEKUTZ, B., JR.
PLASMA FREE FATTY ACID TURNOVER IN DOG DURING
EXERCISE AS RELATED TO PHYSICAL CONDITION AND
BLOOD LACTATE A65-80680
- SITTING INACTIVITY, EXERCISE, AND SUPINE EFFECTS
ON CIRCULATION AND METABOLISM OF HUMAN BODY
AT PROLONGED BED REST
AMRL-TDR-64-61 N65-12131
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- ITHELL, A. H.
ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW
ARTIFICIAL EAR WITH NEW RECORDING DEVICE A65-80743
- ITO, M.
BODY TILT COGNITION AS FUNCTION OF MUSCULAR
TENSION AND VISUAL CUES AT VARIOUS LUMINOSITY IN
CLOSED CABIN A65-18841
- SENSORY PERCEPTION AND SPATIAL ORIENTATION
CONCERNING BODY POSTURE IN SEALED CABIN A65-80553
- ITOH, K.
COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH
GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS
A65-14386
- IUGANOV, E. M.
NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT
SYSTEMS IN SPACESHIP CABINS DURING PROLONGED
FLIGHTS A65-35255
- SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS A65-80089
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG
DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V
SATELLITES A65-80150
- WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE
AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE
OF RESTRAINT A65-80158
- BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN
WEIGHTLESSNESS DURING MANNED SPACE FLIGHT
A65-80920
- PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL
EFFECT OF ACCELERATION AND WEIGHTLESSNESS
A65-80931
- IUROV, B. N.
EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS A65-81197
- IVANITSKAYA, I. N.
DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE
NASA-TT-F-264 N65-34507
- IVANOV-MURONSKIY, K. A.
ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
JPRS-29435 N65-20835
- ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN

- MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156 N65-24231
- TREATMENT OF NERVOUS SYSTEM DISORDERS BY INDUCED
SLEEP WITH ELECTRICITY
JPRS-31347 N65-30711
- MATHEMATICAL METHODS APPLIED TO AVIATION AND SPACE
MEDICINE - SUMMARY OF REPORTS GIVEN AT
CONFERENCE
NASA-TT-F-374 N65-33364
- IVANOV, D. I.
EFFECTS OF RESPIRATION WITH HIGH PRESSURE IN
LUNGS ON BLOOD FLOW RATE N65-13686
- HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW
PRESSURE CHAMBER N65-13687
- IVANOV, K. P.
MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT A65-80100
- ROLE OF MUSCULAR CONTRACTIONS IN CHEMICAL
THERMOREGULATION IN ALBINO RATS UNDER HYPOXIC
CONDITIONS A65-80603
- PHYSIOLOGICAL ASPECTS OF HYPOXIA AND CHEMICAL
THERMOREGULATION N65-13688
- RESISTANCE OF RATS TO HYPOXIA IN ACUTE RADIATION
SICKNESS N65-17810
- SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL
BODY TEMPERATURE WITHOUT ALTERING NORMAL
PHYSIOLOGY
FTD-TT-65-74/1&2 N65-30489
- IVANOV, V. N.
BIOLOGICAL EFFECT OF 660 MEV PROTONS AND CO60
GAMMA RAYS ON STRUCTURE AND FUNCTION OF TESTIS IN
MICE AND RATS A65-81674
- IVANOV, YE. A.
AUTOMATIC CONTROL OF CHLORELLA CULTURE FOR OXYGEN
REGENERATION SYSTEM
FTD-TT-64-247/1&2 N65-18227
- IVANOVA, A. N.
QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN
SUSTAINED POSTURE IN HUMANS A65-80753
- IVANOVA, M. P.
ELECTROGRAPHIC STUDY OF VOLUNTARY MOVEMENTS IN MAN
A65-80697
- IVERUSALIMSKIY, N. D.
ALIPHATIC AND CYCLIC HYDROCARBON ASSIMILATION
BY MICROORGANISMS
JPRS-32055 N65-33204
- IWAMA, K.
EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS A65-81710
- IWANE, M.
G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE,
NEGATIVE, AND TRANSVERSE ACCELERATION
A65-81667
- IWASAKI, M.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION A65-81434
- IVERUSALIMSKIY, N. D.
MICROBIOLOGICAL SYNTHESIS - THEORETICAL AND
INDUSTRIAL ASPECTS, AND ADVANTAGES OVER CHEMICAL
SYNTHESIS N65-25723
- IZOSIMOV, G. V.
BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661
- CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE
HYPOXIA N65-17767
- IZRAEL, YU. A.
MATHEMATICAL DETERMINATION OF FRACTIONING
COEFFICIENTS AND BIOLOGICAL CONTAMINATION FROM
RADIOACTIVE FALLOUT PRODUCED BY NUCLEAR
EXPLOSIONS
JPRS-30500 N65-25458
- J**
- JACK, A. J.
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47 N65-19646
- JACKSON, D. F.
ALGAE AND MAN - ECOLOGICAL, MEDICAL, BIOLOGICAL,
AND INDUSTRIAL ASPECTS A65-80374
- JACKSON, J. K.
ATMOSPHERIC GAS SUPPLY FOR MANNED SPACE CABIN
SIMULATOR CONTROLLED, USING BREADBOARD SYSTEM
A65-34477
- JACKSON, J. M.
VISUAL THRESHOLD VARIABILITY IN FEMALE SUBJECTS
OVER 50-DAY PERIOD A65-80457
- JACKSON, W. E.
VALIDITY OF PHONOCARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE A65-80079
- JACOBI, K. W.
OXYGEN PARTIAL PRESSURE MEASUREMENT IN AQUEOUS
HUMOR AND LENS OF EYE OF ANIMAL - NEW TEST METHOD
A65-81727
- JACOBS, G.
HEARING PROTECTION METHODS IN NETHERLANDS AIR
FORCE A65-82054
- JACOBS, H. S.
IDENTIFICATION AND ANALYSIS OF POST-BLAST NUCLEAR
RADIATION EXPOSURE CONTROL COUNTERMEASURES
RELATIVE TO VARIOUS POST-ATTACK CONDITIONS
GTC-54-63-64 N65-33623
- JACOBSEN, C. W.
EVALUATION OF PILOT PERFORMANCE BY INFLIGHT
ELECTROENCEPHALOGRAPHY STUDY OF STRESS TOLERANCE
A65-81777
- JACOBSEN, I. E.
EVALUATION OF PILOT PERFORMANCE BY INFLIGHT
ELECTROENCEPHALOGRAPHY STUDY OF STRESS TOLERANCE
A65-81777
- JACOBSON, A.
MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING
RELATED TO EYE MOVEMENT RECORDED ON
ELECTROENCEPHALOGRAPHY A65-80157
- JACOBSON, E. D.
SODIUM SALICYLATE EFFECT ON PATTERN OF HUMAN
ACCLIMATIZATION TO WORK IN HEAT A65-80304
- JACOBSON, J. H.
VISUAL EVOKED CORTICAL RESPONSE IN CAT
A65-81533
- JACOBSON, J. L.
EVOKED POTENTIALS TO SOUND AND OTHER STIMULI IN
MAN A65-80639
- JACOBSON, L. O.
RADIOBIOLOGY - METABOLISM OF MAGNESIUM IN RATS,
ERYTHROPOIESIS, HEMOLYTIC EFFECTS OF STEROIDS,
BIOLOGIC PROPERTIES OF POLYNUCLEOTIDES,
SYNTHESIS OF TRACERS, AND INSTRUMENTATION
ACRH-22 N65-15627
- JACOBSON, S. A.
VISUAL EVOKED CORTICAL RESPONSE IN CAT
A65-81533
- JACQUEMIN, C.
SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED
BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES
OPERATED AT OVERPRESSURES TO COUNTERACT HIGH

- ALTITUDE HYPOXIA A65-36366 A65-80495
- FUNCTIONAL EVALUATION OF PRESSURE BREATHING -
MEASUREMENT OF PULMONARY DIFFUSION CAPACITY A65-80110 A65-81216
- SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112 A65-81449
- RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI
DURING TRANSVERSE ACCELERATION A65-80117
- PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS
OF PRESSURIZED SUITS A65-80120
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING
ANTI-G SUITS RELATED TO PULMONARY CAPILLARY
CIRCULATION A65-80872
- VENTILATED CLOTHING AND UMBRELLA TO PROTECT
INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION A65-81789
- USE OF RESPIRATORY IMPEDANCE IN AEROSPACE MEDICINE A65-81823
- ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE
POSITION DURING EXPOSURE TO FORWARD ACCELERATION A65-82153
- JAEGER, H. A.
BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS SAM-TR-65-1 N65-33678
- JAFFE, S.
VIGILANCE TASK PERFORMANCE AND INDICES OF
PHYSIOLOGICAL AROUSAL A65-80560
- JAKUBIAK, J.
EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS
IN ISOTOPE LABORATORIES IN POLAND CLOR-34 N65-22501
- JAMES, E. L.
RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT
FOR F-106 JET AIRCRAFT N65-29761
- JAMES, D. J.
PREDICTION OF PERFORMANCE IN EARLY STAGES OF
FLIGHT TRAINING A65-81331
- JAMES, L. S.
LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA A65-80073
- JAMESON, J.
PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN A65-81248
- JAMIESON, D.
ELECTRODE SIZE AND TISSUE OXYGEN TENSION
MEASUREMENT IN RATS EXPOSED TO AIR OR HIGH
PRESSURE OXYGEN A65-81147
- JAMISON, W. E.
IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP
FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES
IN COMBUSTION-BOMB EXPERIMENTS A65-34083
- JANA, H.
OXYGEN CONSUMPTION AND METABOLIC RATES IN HYPNOTIC
TRANCE AND SLEEP A65-80681
- JANIGRO, G.
OXYGEN CONSUMPTION AND HEART RATE DURING MAXIMUM
MUSCULAR EXERCISE OF FLYING CADETS A65-20984
- RELATIONSHIP BETWEEN OXYGEN CONSUMPTION AND HEART
RATE IN EVALUATION OF CARDIOVASCULAR FUNCTION IN
PILOT CANDIDATES A65-81264
- JANKOWIAK, J.
PHYSIOLOGICAL EFFECTS OF WIND ON MAN
- OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND A65-81216
- EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT A65-81449
- JANNASCH, H. W.
BIOLOGICAL SIGNIFICANCE OF BACTERIAL COUNTS IN
AQUATIC ENVIRONMENTS N65-23991
- JANNI, J. F.
THEORETICALLY CALCULATED VALUES OF IONIZATION
INTERACTION FOR PROTONS IN VARIOUS MATERIALS AND
COMPARISON WITH VALUES OF TISSUE AND BONE
AFWL-TR-65-3 N65-29924
- X-RAY ABSORPTION IN DOSE-EQUATED MATERIALS -
TABULATION OF ATTENUATION AND ABSORPTION
COEFFICIENTS FOR PLASTICS, COMPOUNDS, AND
GASES VS MUSCLE AND BONE WL-TR-64-134 N65-29998
- JANOTA-LUKASZEWSKA, J.
CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS
ORGANS AND PROTEIN METABOLISM DURING PHYSICAL
EXERCISE IN RATS A65-80836
- JANSKIY, L.
ACTIVITY OF CYTOCHROME OXIDASE IN ORGANS OF RATS
ADAPTED TO HIGHER AND LOWER TEMPERATURES
FTD-TT-64-444/162 N65-15963
- PHYSIOLOGICAL ADAPTATION OF WARM BLOODED ANIMALS
TO LOW TEMPERATURES FTD-TT-64-445/162 N65-16291
- JANSSON, G.
EYE MOVEMENTS MEASURED DURING MICHOTTE LAUNCHING
EVENT A65-80594
- TOBACCO EFFECT ON DETECTION TIME AND RECOVERY TIME
AFTER GLARE A65-81884
- JAROSCHKA, R.
ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE A65-80326
- JAROSLOW, B. N.
ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND
SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN
HIBERNATION FOR 14, 28 AND 56 DAYS A65-81462
- JARRETT, A. S.
RISKS OF HIGH PRESSURE OXYGEN THERAPY A65-81261
- INTRAPULMONARY PRESSURE OF BREATHHOLDING SUBJECTS
LYING AND SITTING IN AIR AND WATER A65-82158
- IMMERSION EFFECT ON MEAN INTRAPULMONARY PRESSURE
FPRC/1220 N65-12843
- WHOLE BODY PLETHYSMOGRAPHY
FPRC/MEMO-204 N65-12897
- JASPERS, G.
LATENT CORONARY INEFFICIENCY IN MIDDLE AGED PILOT
REVEALED BY ELECTROCARDIOGRAM TAKEN AFTER PHYSICAL
EXERCISE A65-81782
- JATHO, K.
ALCOHOL EFFECT ON VESTIBULAR APPARATUS WITH
PARTICULAR RESPECT TO OCULOMOTOR REGULATORY
FUNCTION, AS APPLIED TO BEHAVIOR IN TRAFFIC A65-81722
- ALCOHOL EFFECT ON VESTIBULAR APPARATUS - CAUSES
AND DIAGNOSIS BY NYSTAGMUS DURING INTOXICATION A65-81723
- JEFFRESS, L. A.
AUDITORY INFORMATION PROCESSING - SIGNAL

- DETECTIBILITY THEORY APPLIED TO AUDITORY SENSORY RESPONSES
NASA-CR-60441 N65-16816
- JEFLEA, G.
LEVELS OF PROTEINS, LIPOPROTEINS, GLYCOPROTEINS IN SERUM, AND OF SIALIC ACID AND UREA OF ATHLETE DURING AND FOLLOWING PHYSICAL ACTIVITY A65-81352
- JELACIC, D.
ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC, AND TOXICOLOGIC OBSERVATIONS A65-80820
- JELINKOVA, M.
REACTIVITY OF ADIPOSE TISSUE TO EPINEPHRINE AND CHARACTERISTICS OF CONNECTIVE TISSUE IN RATS ADAPTED TO TUMBLING TRAUMA A65-80331
- JELINEK, M.
EFFECT OF LARGE DOSE OF RESERPINE GIVEN INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372

MICROWAVE RADIATION OF RAT AND EFFECT OF PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE A65-80756
- JENIRASIAK, G.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL CONDUCTIVITY OF SOLID STATE PROTEINS AD-614440 N65-25850
- JENKINS, D.
GRAVITATIONAL AND RADIATION EFFECTS ON UNICELLULAR ORGANISMS AND MICROSCOPIC TECHNIQUES FOR OBSERVING LIVING CELLS NASA-CR-51799 N65-15368
- JENKINS, D. W.
NASA BIOSATELLITE PROGRAM TO STUDY PHYSIOLOGICAL, EVOLUTIONARY AND GENETIC EFFECTS OF WEIGHTLESSNESS, RADIATION AND REMOVAL FROM EARTH ROTATION A65-30692

BIOREGENERATIVE LIFE SUPPORT SYSTEMS, METABOLISM, AND SPACE ENVIRONMENTAL FACTORS N65-18570
- JENNINGS, C. L.
OBSERVATION AND CATEGORIZING AND RATING OF COPING DEVICES FOR USE IN AIRCREW SELECTION AD-617745 N65-30098
- JENNINGS, D. C.
LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT BALANCING DURING LUNAR EXPLORATION A65-10693
- JENSEN, B.
AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD CIRCULATION, AND BODY HEAT REGULATION A65-82031
- JEPSEN, O.
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF STAPEDIUS AND TENSOR TYMPANI MUSCLES A65-80035
- JERISON, H. J.
VIGILANCE DEFINED AS PROBABILITY OF DETECTING SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN MANNED SPACEFLIGHT A65-35484
- JERMAN, L.
VARIOUS ASPECTS OF NOISE HAZARD AND HEARING LOSS IN INDUSTRIAL PLANTS A65-81687
- JETHON, Z.
USE OF PHYSIOLOGICAL TEST FOR HYPOXIA ACCOMMODATION AND ACCELERATION STRESS TOLERANCE IN AIRCREW A65-80319
- JEWETT, R. E.
SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF CEREBRAL CORTEX OF CAT DURING SLEEP AND WAKEFULNESS IN RESPONSE TO AMPHETAMINE, CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE
- DERIVATIVE A65-82300
- JOFFE, A.
ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK AND HEAT STRESS A65-80678
- JOHANSEN, K.
AUTONOMIC NERVOUS INFLUENCE ON HEART OF HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG, ERINACEUS EUROPEUS A65-81463
- JOHANSEN, O.
CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN BIOLOGICAL FLUIDS KR-80 N65-30572
- JOHANSSON, B.
SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL INHIBITORY REFLEX IN CATS A65-82065
- JOHANSSON, G.
MOTION PERCEPTION AND CHANGING FORM STUDIED FROM CONTINUOUS TRANSFORMATIONS OF SOLID ANGLE OF LIGHT AT EYE A65-80595

TOBACCO EFFECT ON DETECTION TIME AND RECOVERY TIME AFTER GLARE A65-81884
- JOHNS, R. B.
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION YEARS OLD A65-23841

EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLGICAL ORIGIN OF HYDROCARBONS FROM METEORITES A65-81233
- JOHNSON, E.
PRODUCTION OF THIAMINE, RIBOFLAVIN, FOLIC ACID AND BIOTIN BY CHLORELLA VULGARIS AND CHLORELLA PYRENOIDOSA A65-81339
- JOHNSON, E. G. T.
ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW ARTIFICIAL EAR WITH NEW RECORDING DEVICE A65-80743
- JOHNSON, H.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL CONDUCTIVITY OF SOLID STATE PROTEINS AD-614440 N65-25850
- JOHNSON, H. K.
AIR SAMPLES OF NITROGEN DIOXIDE, HYDRAZINE, AND UDMH COMPONENTS OF TITAN II EXHAUST GASES AND PERSONNEL SAFETY A65-82239
- JOHNSON, K. A.
EXTENT TO WHICH BLOCKS OF TEST TRIALS CONTRIBUTE TO LEARNING OF PAIRED ADJECTIVES - PSYCHOLOGY OF TRAINING AMRL-TR-64-105 N65-14003
- JOHNSON, L. C.
RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF ELECTROENCEPHALOGRAPH IN MAN A65-82278
- JOHNSON, P. C.
WATER IMMERSION EXPERIMENT WITH MALES CHECKING CARDIOVASCULAR DECONDITIONING, PLASMA VOLUME, HEMOGLOBIN, OSMOLARITY, FLUID INTAKE, BODY WEIGHT, ETC A65-24079

WATER IMMERSION EFFECT ON HUMANS - PLASMA VOLUME AND ELECTROLYTE CHANGES A65-81066
- JOHNSON, R. D.
ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION PROBLEM NASA-SP-75 N65-34227
- JOHNSON, R. E.
VARIATION OF PLASMA KETONES AND FREE FATTY ACIDS DURING ACUTE COLD EXPOSURE IN MAN A65-80301

KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD PLASMA DURING EARLY PERIOD OF STARVATION IN MAN

- A65-82249
PLASMA FREE FATTY ACID CHANGES IN MAN FASTING DURING ACUTE COLD EXPOSURE AND NICOTINIC ACID INGESTION A65-82363
- HUMAN NUTRITION REQUIREMENTS FOR WATER IN MANNED SPACE FLIGHTS N65-18581
- JOHNSON, R. H.
CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT ON REFLEX VASODILATATION IN HAND A65-80189
- JOHNSON, R. L.
FOUR WEEKS BED REST EFFECT ON CIRCULATORY FUNCTIONS IN MAN A65-14236
- RESPIRATORY AND SLOW WAVE HEART RATE PATTERNS OF INDIVIDUALS UNDER AEROSPACE FLIGHT STRESS SITUATIONS RECORDED BY MEDICAL MONITORING TECHNIQUES A65-26165
- INACTIVITY EFFECTS IN HUMANS DURING PROLONGED CHAIR REST CAUSING DECONDITIONING, RECORDING BLOOD PRESSURE AND HEART FUNCTION A65-32633
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON MONOXIDE AT REST AND DURING EXERCISE A65-80821
- FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH ALTITUDE A65-81185
- MEDICAL MONITORING OF HEART RATE PATTERNS DURING VARIOUS FLIGHT STRESS SITUATIONS A65-81292
- BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT A65-81771
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS BED REST AND PHYSICAL EXERCISE A65-82367
- PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM IN HEALTHY MALE HUMANS N65-18377
- HEART RATE MONITORING AND ANALYSIS DURING SPACE ENVIRONMENT SIMULATION SAM-TR-65-26 N65-31620
- LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH SEA LEVEL NATIVES AD-463110 N65-33244
- JOHNSON, R. P.
ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG EXTRACTS AND LUNG MECHANICS. A65-82157
- JOHNSON, W. H.
SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- CONTROL OF VERTIGO AND POSSIBLE TREATMENT OF MOTION SICKNESS WITH THIETHYLPERAZINE, A NEW PHENOTHIAZINE A65-82036
- NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS AFFECTED BY HYPOXIA A65-82369
- JOHNSTON, D.
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA A65-81378
- JOHNSTON, D. E.
DEVELOPING LATERAL STABILITY AND DIRECTIONAL CONTROL HANDLING QUALITIES IN LANDING APPROACH CONTROL OF AIRCRAFT NASA-CR-239 N65-27946
- JOHNSTON, R. S.
PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND GEMINI PROJECTS NASA-TN-D-2506 N65-14451
- JOKL, E.
PHYSIOLOGY OF EXERCISE WITH EMPHASIS ON ATHLETIC PERFORMANCE AND TRAINING A65-80179
- BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED SUBJECTS AT REST AND DURING EXERCISE A65-80455
- JOLIOT, P.
KINETICS OF OXYGEN PRODUCTION DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA A65-81677
- KINETICS OF PHOTOSYNTHETIC FLUORESCENCE INDUCTION RELATED TO OXYGEN PRODUCTION IN CHLORELLA PYRENOIDOSA A65-81763
- JONES, A. R.
MEASUREMENT OF DOSE ABSORBED IN VARIOUS ORGANS AS FUNCTION OF EXTERNAL GAMMA RAY EXPOSURE AECL-2240 N65-27471
- JONES, E. R.
LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR MANNED SPACECRAFT A65-35487
- JONES, G.
ENVIRONMENTAL CHAMBER FOR LONG-TERM STUDIES OF CHRONIC HYPOXIA IN SMALL ANIMALS A65-80683
- JONES, G. M.
OCULOMOTOR CONTROL DISTURBANCE AND RETINAL IMAGE STABILIZATION DURING FLIGHT CONSIDERING VISUAL TRACKING AND VESTIBULO-OCULAR MECHANISMS A65-24082
- RETINAL IMAGE FIXATION DURING NORMAL BODY AND HEAD MOVEMENT, EMPHASIZING NEUROMUSCULAR OUTPUTS TO EYE-IN-SKULL AND SKULL-ON-BODY SPATIAL PLATFORMS A65-26978
- PILOT-AIRCRAFT INTERACTION, DISCUSSING ATTITUDE SENSE WHEN PILOT RELIES UPON HIS SENSE OF RELATIVE GRAVITY VECTOR A65-32628
- SENSORY AND MOTOR CONTROL SYSTEM OF RETINAL IMAGE AND DISTURBANCE DURING FLIGHT A65-81069
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR APPARATUS A65-81694
- LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION INFORMATION A65-81728
- EYE LID MOVEMENT EFFECT UPON ELECTRO-OCULOGRAPHIC RECORDING OF VERTICAL EYE MOVEMENTS A65-81969
- VESTIBULAR AND VISUAL PERCEPTUAL DISTURBANCE AND DIFFICULTIES OF RECOVERY FROM AERODYNAMIC SPIN A65-82127
- JONES, N. D.
HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP UNDER KNOWN ENVIRONMENTAL CONDITIONS AFWL-TR-65-109 N65-34145
- JONES, N. L.
OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO BLOOD FLOW A65-81894
- JONES, R. K.
HEMATOLOGICAL VALUES OF NEW MEXICO BREED SHEEP UNDER KNOWN ENVIRONMENTAL CONDITIONS AFWL-TR-65-109 N65-34145
- RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM SOLAR FLARE RADIATION - RADIATION EFFECTS N65-34584

JONES, T. A.
AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR
LEARNING A65-80262

JONES, V. E., JR.
TERMINAL PHASE SPACE RENDEZVOUS CONTROL-DISPLAY
OPTIMIZATION EXPERIMENTS
LMSC-6-62-64-15 N65-12230

JONES, W. A.
ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS A65-81096

JONES, W. B.
CIRCULATORY AND VENTILATORY RESPONSES TO
POSTPRANDIAL EXERCISE A65-81361

JONSSON, O.
SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL
INHIBITORY REFLEX IN CATS A65-82065

JORDAN, J. P.
SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO
LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS A65-81609

METABOLISM OF ANIMALS IN OXYGEN ENVIRONMENT AT
SIMULATED HIGH ALTITUDE
NASA-CR-60338 N65-15372

JORDAN, R. N.
PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES
DURING SLEEP IN MAN A65-80642

JOSEF, V.
INJURY IN FLYING PERSONNEL OF SPINAL COLUMN FROM
AVIATION SERVICE A65-81816

JOSEPH, N. T.
DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS A65-82178

JOSHI, L. U.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902

JOUASSET-STRIEDER, D.
PULMONARY DIFFUSING CAPACITY AND CAPILLARY
BLOOD VOLUME IN NORMAL AND ANEMIC DOG A65-80313

JOYNSON, R. B.
CONSTANCY IN SIZE PERCEPTION RELATED TO FOVEAL
DIAMETER A65-82082

JOZWICKI, R.
ACHROMATIC AXIS OF EYE DETERMINED WITH RESPECT TO
CENTER OF PUPIL A65-36154

JUDD, W. A.
INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR
PERFORMANCE - SIGNAL DETECTION AND TASK
COMPLEXITY
AD-605713 N65-25770

JUKES, T. H.
CODING TRIPLETS IN EVOLUTION OF HEMOGLOBIN AND
CYTOCHROMES C GENES A65-80488

JULIAN, J. W.
QUASI-THERAPEUTIC EFFECT OF INTER-GROUP
COMPETITION - PSYCHOLOGY
TR-19 N65-14061

JUN-ICHI SUZUKI
HEAD, EYE, BODY, AND LIMB MOVEMENTS OF CAT AND
MONKEY CAUSED BY ELECTRIC STIMULATION OF
SEMICIRCULAR CANAL NERVE A65-80156

JUN, C.
REGENERATION OF DAMAGED MUSCLE TISSUE - PHYSIOLOGY
N65-36117

JUNGE, C. E.
VERTICAL DISTRIBUTION OF AIRBORNE ORGANISMS IN
TROPOSPHERE AND STRATOSPHERE N65-23990

JUNGMANN, H.
PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF HIGH
ALTITUDE EXPOSURE A65-80493

JUSKIEWICZ, A.
PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD
CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668

JUZWA, W.
CEREBRAL BLOOD FLOW DURING CHANGES IN BODY
POSITION IN DOGS A65-81858

K

KABAKOV, E. N.
IRRADIATION OF YEAST FOR TESTING MATHEMATICAL
MODEL FOR REMOVAL OF EFFECTIVE DOSE -
PHOTOREACTIVATION OF CELLS IRRADIATED BY
ULTRAVIOLET N65-26386

KACHKOVA, V. G.
VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT
N65-27268

KADO, R.
SYSTEMS DESIGN FOR NEUROPHYSIOLOGICAL DATA
ACQUISITION IN CONTEXT OF ON-LINE DIGITAL
COMPUTER PROGRAMMING N65-28762

KADO, R. T.
IMPEDANCE CHARACTERISTICS OF CORTICAL AND
SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD
CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860

ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS
UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018 N65-32718

KAGAN, H.
MUSCULAR TENSION, TASK RESISTANCE, AND SPEED OF
RESPONSE A65-80060

KAGAN, YE. M.
FLUOROSCOPY DEVELOPMENT IN U.S.S.R. FOR DIAGNOSIS
OF DISEASE N65-30223

KAINDL, F.
HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL A65-82210

KAINDL, H.
BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
HUMAN SPLEEN
SGAE-BL-14 N65-20198

KAINDL, K.
BONDING OF METAL IONS TO NUCLEIC ACIDS FROM
HUMAN SPLEEN
SGAE-BL-14 N65-20198

CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL
YEAST THROUGH COBALT 60 IRRADIATION
SGAE-BL-12/1964 N65-22964

KAISER, D.
FLUID METABOLISM AND CIRCULATION DURING AND AFTER
WEIGHTLESSNESS A65-26744

KAISER, E.
NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA
COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND
REDUCTION OF DATA, AND PATTERN AND CORRELATION
ANALYSIS N65-28757

KAISER, G. A.
ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL
HYPEREMIA OF SKELETAL MUSCLE OF DOG A65-80610

KAISER, S.
PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN -
DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED
WAKEFULNESS A65-81715

KAKEHI, H.
LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING

- RADIOACTIVITY IN PATIENTS N65-25663
- KAKHANA, A. M.
CLINICAL DATA ON PATIENTS SUBJECTED TO VIBRATIONAL
FREQUENCIES INDICATING CHANGES IN PERIPHERAL
NERVOUS SYSTEM AND VESSELS N65-22643
- KAKHNOVSKIY, I. M.
MODIFIED TWO CHANNEL, INK SCRIBING
ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT
FOR RECORDING ELECTRO-OSCILLOGRAMS N65-25673
- KAKURIN, L. I.
EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
- PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS
OF LIMITED MOTOR ACTIVITY N65-13693
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT N65-13780
- KAKUSHKINA, M. L.
USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF
THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST
RADIATION DAMAGE TO TISSUE CELLS A65-80542
- ELECTRIC RESISTANCE AND AUTOLYSIS OF SPLEEN TISSUE
OF IRRADIATED ANIMALS - ANIMAL STUDY N65-20133
- KALASHNIKOV, B. P.
RADIOISOTOPIC DIAGNOSIS OF EYE TUMORS, RADIATION
INJURY DURING IRRADIATION OF VARIOUS PARTS OF
HEAD, AND RADIORESISTANCE AT VARIOUS STAGES OF
ACUTE RADIATION SICKNESS JPRS-29410 N65-20599
- KALAYDZHIEV, V.
NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET
UNION JPRS-31646 N65-32010
- KALES, A.
MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING
RELATED TO EYE MOVEMENT RECORDED ON
ELECTROENCEPHALOGRAM A65-80157
- KALETA, Z.
VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN
PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION
METHOD, EXAMINING EFFECT ON BLOOD PRESSURE A65-26747
- KALINENKO, V. O.
BIO-LIKE STRUCTURES FORMED IN DISTILLED WATER
AND ON AGAR GEL IN ELECTRIC FIELD NASA-TT-F-9239 N65-15057
- ABIOTIC GENESIS OF PRIMARY MICROORGANISMS BY ELECTRIC
DISCHARGE NASA-TT-F-9244 N65-16303
- KALINICHENKO, I. R.
EFFECT OF HIGH ALTITUDES ON PULMONARY CARBON
DIOXIDE PARTIAL PRESSURE A65-81876
- EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681
- CHANGES IN RESPIRATORY AND CARDIOVASCULAR
FUNCTIONS AFTER PROLONGED EXPOSURE TO
LOW BAROMETRIC PRESSURE N65-13723
- KALININA, A. N.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- KALLEN, F. C.
SOME ASPECTS OF WATER BALANCE IN HIBERNATING BAT,
MYOTIS LUCIFUGUS. A65-81464
- KALLMAN, R. F.
RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE
OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES A65-80164
- KALSBECK, J. W. H.
OBJECTIVE MEASURE OF MENTAL OVERLOADING- NEW
APPLICATIONS OF DOUBLE-TASK METHOD WITH REACTION
TIME AND PSYCHOMOTOR PERFORMANCE A65-81324
- KALTENBACH, M.
FUNCTIONAL CAPACITY OF HEART IN EXPERIMENTAL
HYPOKALEMIA IN MAN A65-82228
- KALY, J.
PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL
ACTIVITY IN HOT ENVIRONMENT AND RELATION TO
APPETITE AND BODY TEMPERATURE A65-80900
- KAMA, W. N.
MOBILE REMOTE HANDLING UNIT POSITIONED UNDER
AUGMENTED TELEVISION CONDITIONS - HUMAN
ENGINEERING FOR REMOTE HANDLING SYSTEMS
AMRL-TR-65-6 N65-27091
- HUMAN FACTORS RELATED TO REMOTE HANDLING OF
GROUND SUPPORT FOR NUCLEAR POWERED SYSTEMS AND
EXTRAVEHICULAR SPACE OPERATIONS AMRL-TR-64-122 N65-27891
- KAMEDA, N.
CASE HISTORY OF PILOT HAVING SYNCOPE DURING
INSTRUMENT FLYING A65-80551
- KAMENSKIY, YU. I.
MICROWAVE EFFECT ON NERVE FUNCTIONAL STATE IN
FROGS A65-80747
- MICROWAVE RADIATION EFFECTS ON CARDIOVASCULAR AND
NERVOUS SYSTEM OF FROGS ATD-T-65-39 N65-28123
- KAMINSKI, T.
TUBERCULOSIS IN FLYING PERSONNEL OF POLISH AIR
FORCE - FACTORS IN DEVELOPMENT AND TREATMENT A65-80445
- KAMMERMEYER, K.
SPACECRAFT REGENERATIVE TECHNIQUES FOR WATER
RECOVERY OBTAINING OXYGEN FROM CARBON DIOXIDE AND
REMOVAL OF HUMAN WASTES A65-23920
- KAMSHILOVA, Y. M.
SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-24490
- KAMYSHV, I. A.
VISUAL OBSERVATIONS OF FLIGHT INSTRUMENTS BY
PILOT N65-13694
- KANAI, R.
METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN
CHLORELLA CELLS A65-80704
- KANDLER, O.
COMBINED MONOCHROMATIC LIGHT WAVELENGTH EFFECTS ON
PHOTOSYNTHESIS IN ALGAE AFOSR-64-1650 N65-11325
- KANEKO, H.
OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS
OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT A65-80782
- KANN, H. E., JR.
EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-
HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO
OXYGEN UNDER HIGH PRESSURE A65-81129
- KANON, D.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE A65-82286

- KANTER, T. S.**
SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND CUCUMBER SEEDS AND WHEAT GRAINS
A65-35816
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL PROCESSES IN GERMINATION OF SEED IN SOME HIGHER PLANTS ABOARD VOSTOK SPACECRAFT
A65-81595
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON PHYSIOLOGICAL PROCESSES IN GERMINATION AND SPROUTING OF SEEDS OF HIGHER PLANT LIFE
N65-34941
- KANTOROVICH, M. M.**
HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND TRAINING OF FLIGHT PERSONNEL
N65-13753
- KANTOROVICH, N. V.**
HIGH MOUNTAIN PSYCHOTHERAPY OF MENTAL PATIENTS
N65-17838
- KAO, F. F.**
CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE TENSION
A65-80070
- CARBON DIOXIDE AND PULMONARY VENTILATION IN MUSCULAR EXERCISE OF DOG
A65-80071
- KAPHAN, G.**
NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENCEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT
A65-82139
- KAPILA, C. C.**
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH PURE OXYGEN AND VARIOUS DRUGS
A65-80809
- KAPITONOVA, G. V.**
EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE IN TISSUE AND EARLY RADIATION DAMAGE TO HISTOHEMATIC BARRIERS
FTD-TT-64-644/1
N65-11100
- KAPLAN, G. H.**
WIDEBAND FREQUENCY TEST SYSTEM FOR DETERMINING AUDITORY PERCEPTION IN HUMANS
ARL-TR-65-5
N65-26237
- KAPLAN, I. T.**
SCANNING RATE FOR MULTIPLE TARGETS
A65-82339
- KAPLAN, K. R.**
MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES IN LIFE SCIENCES AND HUMAN ENGINEERING
AMRL-TR-65-3
N65-22477
- KAPLAN, N. O.**
HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND IN LIVE ORGANISMS
A65-32614
- TETRATHIONATE EFFECT ON STABILITY AND IMMUNOLOGICAL PROPERTIES OF MUSCLE TRIOSEPHOSPHATE DEHYDROGENASES
NASA-CR-56251
N65-19962
- LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC ACIDS
NASA-CR-63246
N65-25590
- KAPLAN, S.**
NEW TECHNIQUE FOR RECORDING SKIN RESISTANCE IN MAN AND RAT
A65-82327
- KAPLAN, YE. YA.**
CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED
N65-13703
- KARANDEYEV, K. B.**
BIOLOGICAL MEASUREMENTS IN SPACE - AUTOMATIC DEVICE - MONITORING DIGITAL COMPUTER - INFORMATION MEASURING SYSTEMS - SPACE BIOLOGY
JPRS-31679
N65-31522
- KARAPETYAN, N. V.**
DIFFERENTIAL SPECTRUM OF GREEN BACTERIA CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF BACTERIOVIRIDINE CONVERSIONS DURING PHOTOSYNTHESIS
N65-32660
- KARDASHEV, N. S.**
POSSIBILITY OF COMMUNICATION WITH EXTRATERRESTRIAL CIVILIZATIONS BY RADIO METHODS
A65-80825
- KARLIN, L.**
PURSUIT ROTOR PERFORMANCE AS INFLUENCED BY DELAY AND MODE OF PRESENTATION OF EXTRA CUES.
A65-82221
- KARLSSON, L. K. J.**
HYPOTHALAMO-HYPOPHYSEAL NEUROSECRETION IN MICE UNDERGOING STARVATION WITH OR WITHOUT WATER DEPRIVATION
A65-81288
- KARP, E.**
SOCIAL DIFFERENCES IN AUDITORY PERCEPTION
A65-81569
- KARPFEL, Z.**
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION
N65-23461
- KARPMAN, V. L.**
DURATION OF ELECTRIC SYSTOLE IN HUMAN HEART RATE
NASA-TT-F-264
N65-34507
- NORMAL STANDARDS OF SPHYGMOGRAM, AND PULSE WAVE VELOCITY IN PERIPHERAL BLOOD VESSELS
NASA-TT-F-9578
N65-36751
- KARPOV, V. L.**
IONIZING EFFECT OF BETA PARTICLES ON RATE OF GROWTH OF CHLORELLA PYRENOIDOSA IN CULTURE MEDIA CONTAINING LARGE AMOUNTS OF RADIOACTIVE CARBON
A65-82242
- KARPOVA, L. I.**
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR PROLONGED PERIODS
N65-13681
- CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE
N65-13723
- KARPOVICH, P. V.**
PHYSICAL PERFORMANCE IN VARIOUS ATHLETIC EVENTS AS AFFECTED BY ALTITUDE /7000 FT./
A65-80238
- PHYSIOLOGY AND METABOLISM OF PHYSICAL EXERCISE
A65-81220
- KARRER, R.**
AUTONOMIC CORRELATES OF ELECTRICAL EXCITABILITY OF EYE
A65-80250
- KARSTENS, A. I.**
MEDICAL ASPECTS OF MANNED ORBITAL LABORATORY /MOL/ CONSIDERING MISSION DURATION IN ORBIT, PHYSICAL CAPABILITIES, LIFE SUPPORT AND WEIGHTLESSNESS
A65-14575
- KASCH, F. W.**
STEP-TEST FOR INDUCING MAXIMAL WORK FOR DETERMINING OXYGEN CONSUMPTION
A65-81552
- MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING PHYSICAL EXERCISE
A65-82053
- KASENKOV, M. M.**
VISUAL FUNCTION AND ACUITY IN SPACE FLIGHT
JPRS-28646
N65-15867
- KASHCHEVSKAYA, L. A.**
IRON-GOLD PAIR OF ELECTRODES IN CLINICAL AND EXPERIMENTAL INVESTIGATIONS TO REGISTER TISSUE OXYGEN TENSION
JPRS-30818
N65-27028

- KASHEMSANT, U.
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS A65-81144
- KASHIN, L. M.
GENERAL IMMUNOLOGICAL RESPONSE AND DISEASE
INCIDENCE IN WORKERS EXPOSED TO CARBON DISULFIDE
FUMES. A65-82244
- KASIAN, I. I.
LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS A65-80086
- WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND
SECONDARY PHYSIOLOGICAL RESPONSE IN MAN A65-80088
- SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS A65-80089
- CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG
DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V
SATELLITES A65-80150
- WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE
AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE
OF RESTRAINT A65-80158
- BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN
WEIGHTLESSNESS DURING MANNED SPACE FLIGHT A65-80920
- PROBLEMS OF COORDINATION OF DATA ON PHYSIOLOGICAL
EFFECT OF ACCELERATION AND WEIGHTLESSNESS A65-80931
- PHYSIOLOGICAL EFFECT OF WEIGHTLESSNESS ON HUMAN
ORGANISM A65-80980
- EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS A65-81197
- CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT A65-81554
- KASS, E. H.
PULMONARY RESISTANCE TO INFECTION IN MALE AND
FEMALE MICE SUBJECTED TO HYPOXIA, COLD STRESS, AND
ETHANOLIC INTOXICATION AS AFFECTED BY BACTERIA,
PROTEUS MIRABILIS AND STAPHYLOCOCCUS ALBUS AND
S. AUREUS A65-81598
- KASSIL, G. N.
ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF
NERVOUS SYSTEM FTD-TT-63-1170/1&2 N65-11760
- KASSIL, V. G.
EFFECT OF STIMULUS ON RATE OF WATER FLOW FROM
STOMACH TO INTESTINES - ANIMAL STUDY OF DOGS
NASA-TT-F-9391 N65-35780
- KASSIRER, J. P.
RAPID ESTIMATION OF PLASMA CARBON DIOXIDE TENSION
FROM PH AND TOTAL CARBON DIOXIDE CONTENT A65-81282
- KASTEN, D. F.
HUMAN LOCOMOTION UNDER CONDITIONS OF
WEIGHTLESSNESS N65-18378
- KASMAN, J.
REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE
DURATION AND TASK COMPLEXITY A65-81042
- VISUAL PATTERN DISCRIMINATION AS FUNCTION OF
SPATIAL DISTANCE CHARACTERISTICS AND EXPOSURE
DURATION A65-81166
- CHOICE REACTION TIMES AND THRESHOLDS OF VISUAL
PATTERNS AS FUNCTION OF EXPOSURE DURATION A65-81169
- KASYAN, I. I.
STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I
- SPACECRAFT A65-81962
- EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641
- REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT JPRS-27591 N65-10989
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
GRAVITATIONAL LOADS N65-14527
- EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION
OF ORGANISM N65-15679
- PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT
ON HUMAN ORGANISMS JPRS-29433 N65-20829
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT N65-26918
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED
WEIGHTLESSNESS JPRS-31665 N65-31715
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT ON SPACECRAFT VOSKHOD JPRS-31913 N65-32344
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT N65-34777
- KASYAN, I. M.
ASTRONAUT PERFORMANCE UNDER STRAPPED AND
UNFASTENED CONDITIONS DURING BRIEF PERIODS OF
WEIGHTLESSNESS N65-13695
- KASYANOV, M. I.
PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS
AFTER ACCELERATION STRESS N65-13696
- KATKOVSKIY, B. S.
PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS
OF LIMITED MOTOR ACTIVITY N65-13693
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- KATSAROS, B.
CAROTID CHEMORECEPTOR ROLE IN RESPIRATORY RESPONSE
TO ISOLATED CHANGES OF BLOOD CARBON DIOXIDE
TENSION AND HYDROGEN ION CONCENTRATION A65-80606
- RESPIRATION OF CAT WITH SEVERED SINUS NERVES AT
CONSTANT ARTERIAL PRESSURE AND AS A FUNCTION OF
CARBON DIOXIDE PRESSURE A65-80607
- RESPIRATION AT CONSTANT LOW ARTERIAL PRESSURE AND
EFFECT OF STEPWISE CHANGES OF ARTERIAL PRESSURE
BEFORE AND AFTER CUTTING OF SINUS NERVES IN CAT A65-80608
- KATZ, M. S.
ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS
ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL
FIELD SIZE A65-80570
- TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION
ACCURACY IN ENVIRONMENT DEVOID OF DETAIL
NAVTRADEVCE-1H-13 N65-10260
- VERTICAL ORIENTATION OF TARGET
NAVTRADEVCE-1H-19 N65-16753
- CONTIGUOUS UNIOCLAR OR SEPARATE BINOCULAR
LUMINOUS INTENSITY PERCEPTION OF LIGHT FLASHES
NAVTRADEVCE-1H-16 N65-18074

- KATZ, S. A65-19839
RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT
TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT
NERVES A65-81024
- KATZENSTEIN, H. S.
NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR
RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE
STUDIES A65-16780
- PERSONNEL DOSIMETRY SYSTEM FOR APOLLO
NASA-CR-65071 N65-30920
- KAUFMAN, H.
RELATION OF REACTION TIME TO INFORMATION
TRANSMISSION WITH UNEQUALLY LIKELY ALTERNATIVES
A65-82340
- KAUFMAN, L.
NATURE OF EFFECTIVE BINOCULAR DISPARITIES FOR
DEPTH PERCEPTION A65-82258
- KAUFMAN, W. C.
SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL
CHARACTER AND ENERGY LEVEL A65-14231
- SKIN TEMPERATURE RESPONSES TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION A65-80140
- TEMPERATURE CHANGES IN HUMAN SKIN WITH INTENSE
DIFFUSE THERMAL RADIATION EXPOSURE
AMRL-TR-65-64 N65-35045
- KAVERINA, V. N.
PHARMACOLOGICAL AGENT EFFECTS ON CORONARY
CIRCULATION
NASA-TT-F-336 N65-31146
- KAWAMOTO, T.
EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS A65-81710
- KAY, E.
GOAL DIFFICULTY EFFECT ON LEVEL OF HUMAN
PERFORMANCE
ONR-RM-135 N65-19626
- KAYLOR, J. T.
MANUAL-CONTROL SIMULATION STUDY OF NONLIFTING
VEHICLE DURING ORBIT, RETROCKET FIRING, AND
REENTRY INTO EARTH ATMOSPHERE
NASA-TM-X-359 N65-12802
- KAYSER, C.
SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS A65-81465
- KAZANAS, N.
IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
CDD-1283-12 N65-19822
- KAZEMI, H.
CHLORALOSE AND PENTOBARBITAL EFFECT ON HEART RATE
RESPONSE OF DOG TO CARBON DIOXIDE
A65-80076
- KAZHINSKIY, B. B.
ELECTROMAGNETIC COMMUNICATION BETWEEN LIVING
ORGANISMS
FTD-TT-62-1923/162 N65-18283
- KEARNEY, O. F.
SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND
SLEEP LOSS A65-81043
- KEARNS, K. L.
GAS CHROMATOGRAPHIC SYSTEM CAPABLE OF MEASURING
LOW LEVELS OF NEON AND CARBON MONOXIDE IN HIGH
CONCENTRATIONS OF OXYGEN IN PULMONARY DIFFUSING
CAPACITY DETERMINATIONS A65-82170
- KEATING, D. A.
ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS
IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON
DIMENSIONAL ANALYSIS AND MODEL THEORY
- POWER FOR FLUID CIRCULATION AT VARIOUS PRESSURE
DROPS AND FLOW RATES FROM ISENTROPIC EXPANSION
OF HABITABLE GASES - MANNED SPACECRAFT
APPLICATION
AMRL-TR-65-26 N65-30853
- KEATINGE, W. R.
CARDIOVASCULAR RESPONSES MEDIATED BY
SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80303
- RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN
IN MAN AND DECEREBRATE CAT A65-80303
- KEIDEL, W. D.
AUDIOMETRIC ASPECTS AND MULTISENSORY
POWER-FUNCTIONS OF ELECTRONICALLY AVERAGED SLOW
EVOKED CORTICAL RESPONSES IN MAN A65-82136
- KEIRIM-MARKUS, I. B.
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS A65-80539
- TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAIEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT A65-81387
- RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL
FLIGHTS
FTD-TT-63-1017/1 N65-10877
- KEIRLE, A. M.
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO
CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY
TESTED WITH PROTEIN A65-80177
- KEITH, J. F., JR.
CHRONOLOGY OF TWO WEEKS FALLOUT SHELTER
CONFINEMENT A65-82097
- KELDYSH, M. V.
EXTRAVEHICULAR OPERATION OF VOSKHOD II MANNED
SPACECRAFT - COSMONAUT REPORT DURING PRESS
CONFERENCE N65-28287
- KELEMAN, A.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
VARIED MASKING RING SIZE A65-82286
- KELL, R. J.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401
- KELLAWAY, P.
DATA ACQUISITION AND AUTOMATIC DATA PROCESSING
SYSTEM FOR NORMATIVE ELECTROENCEPHALOGRAPHIC
REFERENCE TAPE LIBRARY N65-28768
- DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- KELLER, H.
DEEP DIVING AND DECOMPRESSION TIME IN RELATION TO
BREATHING MIXTURES WITH VARIOUS CONCENTRATIONS OF
ARGON, HELIUM, OXYGEN, AND NITROGEN A65-82159
- KELLOGG, R. S.
MOTION SICKNESS SYMPTOMATOLOGY COMPARED FOR
LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING
ZERO GRAVITY MANEUVERS A65-22903
- MOTION SICKNESS SYMPTOMATOLOGY OF LABYRINTHINE
DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY
MANEUVERS A65-80893
- KELLY, J.
PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE A65-80670
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN

- KENNY, T.
PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT A65-81736
- KENK, R.
AEROSPACE MEDICINE AND BIOLOGY - ANNOTATED
BIBLIOGRAPHY FOR 1962 AND 1963
NASA-CR-62127 N65-21424
- KENNEDY, I. M.
PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA A65-81120
- KENNEDY, K. W.
ANTHROPOMETRIC STUDIES - GRASPING-REACH CAPABILITY
AS GUIDE TO EQUIPMENT DESIGN
AMRL-TDR-64-59 N65-11895
- KENNEDY, M. V.
ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE
AND FECES A65-21695
- ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE
TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM
FOR CHLORELLA 71105 A65-22770
- PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318
- KENNEDY, R. S.
ANTIMOTION SICKNESS DRUGS FROM 1954 TO 1964 NOTING
EFFECTIVENESS AND SIDE EFFECTS A65-16552
- MOTION SICKNESS SYMPTOMATOLOGY COMPARED FOR
LABYRINTHINE DEFECTIVE AND NORMAL SUBJECTS DURING
ZERO GRAVITY MANEUVERS A65-22903
- ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING
ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS,
AND MISCELLANEOUS GROUP, COVERING 1954-1964
A65-80380
- MOTION SICKNESS SYMPTOMATOLOGY OF LABYRINTHINE
DEFECTIVE AND NORMAL SUBJECTS DURING ZERO GRAVITY
MANEUVERS A65-80893
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- PAST HISTORY OF MOTION SICKNESS AND ATTRITION FROM
FLIGHT TRAINING A65-82128
- DEVELOPMENT OF MOTION SICKNESS QUESTIONNAIRE FOR
EARLY IDENTIFICATION OF FLIGHT TRAINING STUDENTS
SUSCEPTIBLE TO MOTION SICKNESS
NSAM-916 N65-25215
- COMPARATIVE EFFECTS OF PROLONGED ROTATION ON
POSTURAL EQUILIBRIUM IN VESTIBULAR NORMAL AND
DEFECTIVE HUMAN SUBJECTS
NASA-CR-63799 N65-28350
- EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW
MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800 N65-28539
- MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879 N65-33921
- MOTION SICKNESS AND ATTRITION FROM FLIGHT TRAINING
NSAM-932 N65-36226
- VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO
ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537 N65-36431
- COMPARATIVE EFFECTS OF PROLONGED ROTATION AT
10 RPM ON POSTURAL EQUILIBRIUM IN VESTIBULAR
NORMAL AND VESTIBULAR DEFECTIVE HUMAN SUBJECTS
NASA-CR-67122 N65-36440
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- KENNER, P. M.
EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT
USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR
ANGULAR MOMENTUM TRANSFER A65-35637
- KENNEY, R. A.
ACID-BASE BALANCE CHANGE AFTER EXPOSURE TO HOT,
ARID CONDITIONS RELATED TO HYPERVENTILATION
A65-80963
- KENSHALO, D. R.
PERIPHERAL MECHANISMS OF SKIN TEMPERATURE
PERCEPTION
NASA-CR-56192 N65-16429
- HUMAN SKIN SENSITIVITY TO TEMPERATURE DIFFERENCE
NASA-CR-57207 N65-18938
- KENT, P. R.
VISUAL ACUITY STANDARDS FOR SUBMARINE DUTY
REPT.-428 N65-18877
- KEOSIAN, J.
ORIGIN OF LIFE ON EARTH AND EXTRATERRESTRIAL
BODIES INCLUDING EVIDENCE FOR AND AGAINST
BIOGENESIS AND ABIOGENESIS A65-80097
- KEOUGH, R. F.
GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES
POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE
STUDIED IN MINIATURE SWINE A65-16556
- KEPPLE, R. J.
SPACECRAFT STERILIZATION, DISCUSSING ENGINEERING
AND HEAT TRANSFER PROBLEMS IN ACHIEVING
STERILIZATION TEMPERATURE OF ENTRY AND LANDING
VEHICLES
AIAA PAPER 65-427 A65-29377
- KERN, H.
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY
A65-80451
- KERNER, D.
EFFECT OF OXYGEN BREATHING AT ATMOSPHERIC PRESSURE
ON PULMONARY SURFACTANT IN MAMMALS
A65-81898
- KEROVA, N. I.
RADIO WAVE IRRADIATION EFFECT ON CONTENT OF
NUCLEIC ACID AND POLYNUCLEASE ACTIVITY OF WHITE
RATS A65-20937
- SUPERHIGH FREQUENCY EFFECTS OF ELECTROMAGNETIC
FIELD ON ACTIVITY OF POLYNUCLEOTIDE AND
METABOLISM OF NUCLEIC ACID - ANIMAL STUDY
N65-28708
- KERR, A., JR.
EFFECT OF ALTITUDE /HYPOXIA/ ON CORONARY ARTERY
SIZE IN RATS A65-81429
- KERR, H. D.
MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE
AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND
BRONCHITIC SUBJECTS A65-80069
- KERR, M.
INDIVIDUAL HUMAN PATTERNS OF REACTION TIME
RESPONSES A65-80862
- KERSLAKE, D. M.
TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON
TEMPERATURE INCREASE, NOTING AROUSAL LEVEL
A65-16558
- INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL
AND AUDITORY PERCEPTUAL EFFICIENCY
A65-80381

- TIME COURSE OF DECLINE IN SWEATING PRODUCED BY
IMMERSION IN WARM WATER A65-80510
- KESTNER, O.
BIOLOGICAL EFFECT OF STRENUOUS WORK AND SWEATING
ON BLOOD AND TISSUE NASA-TT-F-9338 N65-23678
- KESTON, R.
NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS
ATTRIBUTED TO VISUAL ILLUSION INVOLVING
OVERESTIMATION OF ALTITUDE A65-30100
- MINIMUM ATTENTION DISPLAY TECHNIQUE PERMITS
MAXIMUM TRANSFER OF GUIDANCE INFORMATION TO
OBSERVER WITHOUT EXCESSIVE SENSORY COMMITMENT TO
DISPLAY A65-35171
- KETCHUM, H. W.
ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TID-21431 N65-25873
- KEUL, J.
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY A65-80451
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK A65-80452
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS A65-80453
- CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME A65-80693
- KHACHATRYAN, S. A.
DURATION OF CLINICAL DEATH AND HYPOXIA N65-17804
- KHACHATURIAN, L. S.
ASTRONAUT PERFORMANCE ABOARD VOSKHOD I AND II
SPACECRAFT WITH RESPECT TO CHANGES IN CONTROL
ACTIVITY, VISUAL RESOLUTION AND QUALITATIVE
ANALYSIS OF OPERATIONAL MEMORY A65-35251
- KHACHATURYANTS, A. S.
ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC
OF STIMULUS N65-13750
- KHACHATURYANTS, L.
BIOTECHNOLOGICAL PROBLEMS ASSOCIATED WITH
EXTRAVEHICULAR ACTIVITY IN SPACE JPRS-30152 N65-24348
- KHACHATURYANTS, L. S.
PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER
WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS
IN ORBITAL FLIGHT NASA-TT-F-9593 N65-36752
- KHADR, A. H.
CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL TID-20741 N65-34316
- KHANANASHVILI, M. M.
LOCATION OF ORIGIN OF CONDITIONED REFLEXES TO
VISUAL AND ACOUSTIC STIMULI IN RATS AND DOGS A65-80591
- KHANBABIYAN, M. V.
ACTION OF CEREBELLUM ON POTENTIALS EVOKED IN
VISUAL CENTERS OF CEREBRAL CORTEX IN CATS A65-80652
- KHANDEKAR, R. N.
STRONTIUM 90 CONTENT OF FOOD SAMPLES IN INDIA
AEET-AM-40 N65-30902
- KHANNA, P. K.
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809
- HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT
AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT A65-81744
- KHATYLYEVA, L. V.
MATHEMATICAL MODELS FOR DETERMINING
COMBINATIVE CAPABILITIES RELATED TO GENETICS
JPRS-31830 N65-32760
- KHAVKINA, M. N.
EFFECT OF PROPRIOCEPTIVE STIMULATION ON HUMAN
MUSCLE ACTION BASED ON ELECTROMYOGRAPHIC STUDIES A65-81878
- KHAZANOV, V. S.
EFFECTIVENESS OF MONOCHROMATIC RADIATIONS IN
ENSURING LEVEL OF ACUTENESS OF DISCRIMINATION AND
CONTRAST SENSITIVITY A65-30078
- KHAZEN, I. M.
ROLE OF AUTONOMIC NERVOUS SYSTEM IN REGULATING
PULMONARY TONUS AND TOLERANCE TO SUDDEN CHANGES IN
BAROMETRIC PRESSURE AS AFFECTED BY ATROPINE AND
HISTAMINE A65-80651
- RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN
RATS FTD-TT-64-202/1&2 N65-12171
- RESPONSE OF ANIMALS AND METHODS TO INCREASE
RESISTANCE TO FLIGHT CONDITIONS N65-13767
- PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO
CENTRIPETAL ACCELERATIONS N65-13768
- KHIDOVATON, K.
CYBERNETIC MACHINES IN MEDICINE - ELECTRONIC
COMPUTERS FOR DIAGNOSIS OF DISEASES JPRS-29799 N65-22115
- KHLEBAS, V. T.
EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR
APPARATUS ON ELECTRIC POTENTIAL OF STOMACH N65-13769
- KHLEBNIKOV, G. F.
PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
PARABOLIC CURVE A65-16618
- EMOTIONAL-VOLITIONAL REACTION OF RUSSIAN
COSMONAUTS DURING PARACHUTE JUMP TRAINING A65-80045
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS A65-80923
- EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819 N65-12662
- EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT
PARACHUTISTS DURING TRAINING FTD-TT-65-437/1 N65-29160
- KHNYCHEV, S. S.
ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
- KHOLIN, V. V.
INFLUENCE OF IONIZING RADIATION AND AGE ON EXTENT
OF BONE RADIOSENSITIVITY IN GROWING ANIMALS N65-26396
- KHOLODOV, YU. A.
MAGNETIC FIELD EFFECT ON CENTRAL NERVOUS SYSTEM IN
BIRD, FISH, AND MAMMAL A65-80424
- POSSIBLE INJURY FROM UHF ELECTROMAGNETIC FIELD ON
ELECTROENCEPHALOGRAM OF CORTEX IN RABBITS A65-80442
- EFFECT OF ULTRAHIGH FREQUENCY ELECTROMAGNETIC
FIELD ON ELECTRIC POTENTIALS OF ISOLATED AREA OF
CEREBRAL CORTEX IN RABBIT A65-80713
- KHOMAZYAK, A. I.
REFLEX MECHANISM OF PERIODIC RESPIRATION IN

- HYPOXIA N65-17778
- KHURSIN, N. YE.
MECHANISM OF CHANGES IN NUCLEIC ACID METABOLISM
AFTER EXPOSURE TO ULTRASONIC IRRADIATION -
ANIMAL STUDY N65-28702
- KHVOSTOVA, V. V.
EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON
CHROMOSOMES OF PLANT SEEDS A65-81601
- KIANG, N. Y.-S.
COMPARISON OF SELECTED FEATURES OF ELECTRIC
RESPONSES RECORDED FROM UNITS IN AUDITORY NERVE
AND COCHLEAR NUCLEUS A65-31724
- SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND
CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR
NUCLEUS OF ANESTHETIZED CATS A65-32938
- STIMULUS CODING IN THE AUDITORY NERVE AND COCHLEAR
NUCLEUS IN CATS A65-82135
- STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION A65-82268
- KIBYAKOV, A. V.
CHEMICAL TRANSMISSION OF NEURAL EXCITATIONS -
PHYSIOLOGY AND BIOCHEMISTRY OF CENTRAL NERVOUS
SYSTEM JPRS-31577 N65-31520
- KIDERA, G. J.
GLUCOSE TOLERANCE AFTER CARBOHYDRATE LOADING
COMPARED TO RANDOM URINALYSIS TO SCREEN LATENT
DIABETES IN PILOT SELECTION A65-26174
- RESPONSE TO CARBOHYDRATE METABOLISM AS CRITERION
IN COMMERCIAL PILOT SELECTION A65-81297
- KIDO, R.
PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM
OF ANIMALS - NEUROPHYSIOLOGY JPRS-28419 N65-15045
- KIEL, F. W.
SURVEY OF MILITARY SPORT PARACHUTING INJURIES AND
DEATHS A65-80950
- PARACHUTING HAZARDS AND INJURIES A65-81238
- UNITED STATES GOVERNMENT LIABILITY IN MILITARY
AIRCRAFT ACCIDENTS A65-81541
- HELICOPTER ROTOR-BLADE INJURIES AND MEANS OF
PREVENTION A65-81623
- KIESOW, L.
ASSIMILATION OF ENERGY FROM INORGANIC SOURCES IN
AUTOTROPHIC FORMS OF LIFE SUCH AS NITROBACTER
WINOGRADSKYI BUCH A65-25241
- KIEV, A.
ACUTE MENTAL BREAKDOWN IN AIRMEN DURING BASIC
TRAINING A65-82225
- KILBURN, K. H.
SIGNS OF COMPENSATORY VENTILATION, TACHYPNEA AND
HYPERPNEA, AS RELATED TO PHYSICAL EXERCISE A65-80819
- KILTY, S. E.
EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY A65-80632
- KIM, D. S.
DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE
TO SMOKING A65-81433
- KIM, Y. S.
DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE
TO SMOKING A65-81433
- KIMBLE, H. E.
AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM N65-25668
- KIMMEL, H. D.
DISINHIBITION IN GALVANIC SKIN RESPONSE
CONDITIONING AS FUNCTION OF NUMBER OF
TRIALS AND TEMPORAL LOCATION OF NOVEL STIMULUS A65-80241
- FACTORS INFLUENCING JUDGMENT OF HUMAN
PERFORMANCE - PSYCHOLOGY TR-4 N65-13512
- KIMURA, R. S.
MORPHOLOGY OF SENSORY CELLS IN ORGAN OF CORTI OF
MAN A65-81503
- KINCAID, J. K.
VARIATIONS IN TRANSFER FUNCTION OF HUMAN PILOTS
IN SIMULATED SINGLE DEGREE OF FREEDOM TASKS DUE
TO VARIOUS NONLINEARITIES INTRODUCED INTO PILOT
CONTROL SYSTEM NASA-TN-D-2569 N65-14119
- KINCAID, W. C.
APOLLO SPACE SUIT DESIGN INCLUDING PERSONAL
LIQUID COOLING FOR CONDITIONING AND REPLENISHING
ATMOSPHERE INSIDE SPACE SUIT ASME PAPER 65-AV-45 A65-24390
- KINCHLA, R. A.
CORRELATION BETWEEN STIMULUS AND RESPONSE
SEQUENCES DERIVED FROM OBSERVER PERFORMANCE
AND FEEDBACK INFORMATION - SIGNAL TO NOISE RATIO
NASA-TM-X-51737 N65-22198
- KING, C. D.
SPACECRAFT CABIN ENVIRONMENT CONTROL OF ATMOSPHERE
AND TEMPERATURE, DESCRIBING OXYGEN REGENERATION
SYSTEM USING ZEOLITE BEDS AND SILICA GEL A65-33615
- ELECTRICAL AND THERMAL ENERGY MANAGEMENT AS
RELATED TO NUTRITION AND WASTE N65-18602
- KING, J. G.
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM SC-RR-65-47 N65-19646
- KING, L. T.
HEMODYNAMIC RESPONSE OF LOWER EXTREMITIES TO
EXERCISE A65-81127
- KING, P. V.
RADIATION HAZARD HANDBOOK SUPPLEMENT - PERSONS
EXPOSED TO IONIZING RADIATION OR RADIOACTIVE
MATERIALS NASA-TM-X-54859 N65-12416
- KING, R. R., JR.
LIGHT ATTACK AND FIGHTER BOMBER PILOTS PROBLEMS
CONCERNING PILOT COMFORT, EFFICIENCY AND SURVIVAL,
FLIGHT SAFETY AND COMBAT EFFECTIVENESS A65-14226
- FIGHTER BOMBER AIRCRAFT PROBLEMS OF COMBAT
EFFECTIVENESS, PILOT EFFICIENCY, FLIGHT SAFETY,
PILOT COMFORT, AND SURVIVAL A65-80133
- KINGSTON, R. H.
PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL
OF RADIATION OF DIRECT OR REFLECTED BEAMS AS
SAFEGUARD TO EYE DAMAGE A65-21951
- KINKADE, R. G.
STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD
HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF
PROJECTED STAR FIELD FOR SPACE ENVIRONMENT
SIMULATION A65-35493
- KINNEMAN, R. E.
SMALL VISUAL ACUITY DEFECT IN RELATIONSHIP TO
COMPLETION OF FLIGHT TRAINING AND IN OPERATIONAL
FLYING REPT.-2 N65-11096

- KINNEN, E.
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
IMPEDANCES A65-10727
- ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
CARDIAC CYCLE OUTPUT OBSERVATION N65-16607
- KINNEY, G.
VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004 N65-17144
- KINNEY, J. A. S.
EFFECT OF EXPOSURE TIME ON INDUCED COLOR
A65-81420
- RECOVERY OF FOVEAL ACUITY FOLLOWING EXPOSURE TO
VARIOUS INTENSITIES AND DURATIONS OF LIGHT
A65-82259
- KINNEY, W. E.
MONTE CARLO COMPUTER PROGRAM FOR CALCULATION OF
ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS
AS FUNCTION OF TISSUE SLAB DEPTH
NASA-CR-63754 N65-27877
- CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION
FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY
N65-34596
- SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE
FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF
CURRENT-TO-DOSE CONVERSION FACTORS
N65-34597
- VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE
VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE
N65-34598
- KIND, A.
CREATIVE COMPUTATION IN ARTIFICIAL INTELLIGENCE
FR-65-11-44 N65-32223
- KINOSHITA, F.
INFLUENCE OF X-IRRADIATION ON DEVELOPMENT OF
DETOXIFICATION SYSTEM FOR PHOSPHOROTHIOATES IN
RAT LIVERS N65-19213
- KINSELL, L.
PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF
HUMAN SUBJECT DURING FASTING AND EXERCISE
A65-82189
- KINTZ, B. L.
PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
FUSION A65-82260
- KIPANEV, V. I.
LATENT FORM OF MOTION SICKNESS IN HEALTHY MALES -
EFFECT ON VISUAL ANALYZER N65-13711
- KIRCHHOFF, H. W.
WOLFF- PARKINSON- WHITE / WPW/ CARDIAC SYNDROME
SYMPTOMS AND EFFECTS AND RELATION TO AIRCRAFT
PILOT CAPABILITY A65-30350
- DIAGNOSTIC BATTERY OF INDICES OF PULMONARY
FUNCTION PROPOSED FOR PHYSICAL EXAMINATION OF
PILOTS A65-81488
- KIRILLOV, V. F.
EXPERIMENTAL VARIATION OF ATMOSPHERIC IONIZATION,
RATE OF ION FORMATION, AND DISAPPEARANCE
CONSTANT FOR SANITARY-HYGIENE CHARACTERIZATION
OF ATMOSPHERIC PURITY
JPRS-30842 N65-27066
- KIRIUSHINA, I. N.
HYPERCAPNIC EFFECT ON HEART BLOOD SUPPLY UNDER
EXPERIMENTAL CONDITIONS IN DOGS
A65-80716
- KIRKPATRICK, H. B.
BIONICS, SOLUTION OF ENGINEERING PROBLEMS BY
APPLICATION OF FUNCTIONAL PRINCIPLES DERIVED FROM
BIOLOGICAL SYSTEMS A65-24146
- KIRMSE, W.
SIZE CONSTANCY WITH BINOCULAR AND MONOCULAR
VIEWING. A65-82175
- KIRSCH, H.
MOTIVATION TOWARD FLYING IN PILOT CANDIDATES
RELATED TO TRAINING SUCCESS AND ADJUSTMENT
A65-81776
- KISELEV, YU. V.
QUANTITATIVE EVALUATION OF OPERATOR RELIABILITY IN
MAN-MACHINE SYSTEM N65-13697
- IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED
BY HUMAN OPERATOR N65-13749
- KISLYAKOV, V. A.
HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP
ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- NYSTAGMUS AND VESTIBULAR STIMULATION IN RABBIT
DURING ROTATION A65-80033
- CHARACTERISTICS OF OPTOKINETIC NYSTAGMUS AFTER
PROLONGED OPTOKINETIC STIMULATION N65-13698
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN
SPACE PHYSIOLOGY
NASA-TT-F-9426 N65-27712
- KISSEN, A. T.
MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD
AND VIGILANCE PERFORMANCE BY HYPNOSIS
A65-80066
- KISTLER, L. G.
MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT
ACCIDENTS A65-36003
- KITAHARA, M.
ACCELERATION REGISTOGRAPHY - A NEW METHOD OF
EXAMINATIONS CONCERNED WITH THE LABYRINTHINE
RIGHTING REFLEX A65-81347
- KITAMURA, K.
CLINICAL APPLICATION OF TELEMETERING METHOD OF
PHYSIOLOGICAL DATA A65-81193
- KITAYEV-SMYK, L. A.
HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN
MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS
N65-13685
- SENSORY DEPRIVATIONS IN HUMAN BEINGS EXPOSED
TO WEIGHTLESSNESS N65-13700
- BODY POSITION OF ANIMALS IN WEIGHTLESSNESS
N65-13701
- WEIGHTLESSNESS - CONDITIONS, SENSATIONS, HUMAN
REACTIONS, PHYSIOLOGY, AND PSYCHOLOGY
JPRS-29743 N65-21711
- KITCHELL, R. L.
ELECTROMYOGRAPHIC ELECTRODE DESIGNED FOR
IDENTIFICATION OF RECORDING SITES
A65-81922
- KITSOVSKAYA, I. A.
EFFECT OF MICROWAVES ON BLOOD AND HEMOPOIETIC
ORGANS OF WHITE RATS
JPRS-31047 N65-28357
- KITZES, G.
NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601
- KITZING, J.
EXERCISE HYPERTHERMIA AND THERMOREGULATION IN MAN
A65-80691
- KIYONO, S.
EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS A65-81710
- KJELLMER, I.
NATURE AND CAUSE OF HYPEREMIA AND OTHER

- CIRCULATORY RESPONSE TO PHYSICAL EXERCISE
A65-81720
- COMPETITION BETWEEN METABOLIC VASODILATION DURING
PHYSICAL EXERCISE AND NEUROGENIC VASOCONSTRICTION
IN SKELETAL MUSCLE IN CAT A65-82066
- POTASSIUM ION AS VASODILATOR DURING MUSCULAR
EXERCISE IN CATS. A65-82067
- NATURE AND CAUSE OF MUSCULAR HYPEREMIA DURING
PHYSICAL EXERCISE IN CATS A65-82069
- KLAFS, C. E.
BENCH-STEPPING PERFORMANCES OF MALES AND FEMALES
AS AFFECTED BY BREATHING IONIZED AIR A65-82018
- KLAPPER, E. A.
SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373
- KLATT, D. H.
THEORIES FOR RELATING STRUCTURE TO BEHAVIOR IN
PERIPHERAL AUDITORY SYSTEM - COMPUTER SIMULATION
REPT.-13 N65-27793
- KLUS, D. J.
EFFECTS OF STEP SIZES ON ERROR RATES IN LINEAR
PROGRAMMING
NAVTRADEVEN-1208-1 N65-10230
- KLUS, G.
NEUROCYBERNETICS APPLIED TO MEDICINE, EDUCATION,
PSYCHOLOGY, AND THEORY OF PERCEPTION N65-26223
- KLAUSMEIER, H. J.
EFFECT OF AGE UPON SPEED OF CONCEPT ATTAINMENT
A65-81864
- KLAUSNER, S. Z.
CONCEPTS AND INDICATORS IN STUDIES OF BEHAVIOR
UNDER STRESS - LOGIC
AD-610808 N65-28803
- FEAR AND ENTHUSIASM IN SPORT PARACHUTING
AFOSR-65-1329 N65-35574
- KLEIBER, M.
ANIMAL FOOD FOR ENERGY SUPPLY AND HEAT PRODUCTION
IN ASTRONAUT NUTRITION N65-18592
- KLEIN, E.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- KLEIN, H. P.
EXTRATERRESTRIAL LIFE DETECTION ON MARS USING
UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC
PHYSICAL AND CHEMICAL TESTS A65-26739
- FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING
HOW THESE PREPARATIONS ARE AFFECTED BY
INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE
METABOLISM OF GLUCOSE A65-33702
- KLEIN, K. E.
MENTAL AND PHYSIOLOGICAL DEPRESSION OF AIRCREW
PERSONNEL ON OVERSEAS FLIGHTS DUE TO CIRCULATORY
PARAMETER VARIATIONS CAUSED BY VAGOTONIA A65-26173
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- KLEIN, M. D.
EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR
VOLUME AND OXYGEN CONSUMPTION IN MAN A65-82326
- KLEIN, S. J.
MUSCLE ACTION POTENTIALS AS INDEX OF EFFORT
RELATED TO INDIVIDUAL ESTIMATE OF SUCCESS ON TASK
A65-80092
- KLEMENT, A. W., JR.
BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON
METABOLISM OF WILD SPECIES OF PLANTS AND
ANIMALS
TID-3910, SUPPL. 3 N65-23596
- KLER, O. V.
PATHOLOGICAL CHANGES OF SKIN IN GUINEA PIGS AFTER
EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA A65-82049
- KLESHNIN, A. F.
AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON
DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS
A65-80942
- KLIACHKO-GURVICH, G. L.
CONTROLLED BIOSYNTHESIS OF CARBOHYDRATES IN
CHLORELLA A65-80598
- KLINOVITSKIY, V. YA.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- ANIMAL STUDIES ON EFFECTS OF CENTRIFUGAL
ACCELERATION STRESS ON CEREBRAL BLOOD FLOW
N65-13702
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- RADIAL ACCELERATION EFFECT ON VENOUS BLOOD FLOW
IN CEREBRAL VEINS OF RABBITS N65-31377
- KLINESTIVER, L. R.
TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS
AND C. SPILOSOMA/ FOR WATER DEPRIVATION DURING
HIBERNATION A65-81470
- KLINGBERG, F.
EVOKED CORTICAL POTENTIALS IN RELATION TO
PUPILLARY DIAMETER IN RAT A65-82071
- KLINKE, R.
ULTRAVIOLET RADIATION EFFECT ON BLOOD SUGAR LEVEL
IN RABBITS A65-80837
- KLOCHKOV, A. M.
ANIMAL STUDIES ON CHANGES IN BIELECTRIC ACTIVITY
OF BRAIN DURING BRIEF PERIODS OF WEIGHTLESSNESS
AND ACCELERATION STRESS N65-13699
- CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS
AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED
N65-13703
- KLOCKE, F. J.
ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL
HYPEREMIA OF SKELETAL MUSCLE OF DOG A65-80610
- KNAPP, R. H.
TIME IMAGERY, INTROVERSION, AND FANTASIED
PREOCCUPATION IN SIMULATED ISOLATION A65-80576
- KNAPPEN, F.
CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING
EXPERIMENTATION WITH RATS N65-18597
- KNEPTON, J. C., JR.
EFFECTS OF VIBRATIONS ON CHROMOSOMES/CELLS FROM
VARIOUS ORGANISMS
NASA-CR-64642 N65-33252
- KNIGHT, C. A.
AMINO ACIDS, PEPTIDES, AND ORGANIC SPHERULES
OBTAINED FROM PRIMITIVE EARTH GASES IN SPARKING
CHAMBER A65-80474
- KNOBLOCK, E. C.
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632

- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING
A65-81732
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- KNOOP, A. A.
ULTRALOW FREQUENCY DISPLACEMENT INVESTIGATION OF
BALLISTOCARDIOGRAPHY
NASA-TT-F-269 N65-13827
- KNORRE, D. G.
TRANSFORMATION OF AMINO-ACYL-S- RNA INTO
DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE
CARBODIIMIDE
NASA-TT-F-9448 N65-27724
- KNOX, F. G.
OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD
FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG
BREATHING 100 PERCENT OXYGEN
A65-80072
- KNOX, M. T.
EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS
AND POSTURES
A65-81246
- KNUTSEN, G.
INDUCTION OF NITRITE REDUCTASE IN SYNCHRONIZED
CULTURES OF ALGAE, CHLORELLA PYRENOIDOSA, AS
CORRELATED WITH DNA SYNTHESIS AND LIFE CYCLE
PERIOD.
A65-82051
- KO, W. H.
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR
RECORDING BIOELECTRICAL DATA, FORCE AND
DISPLACEMENT
A65-10546
- MICROELECTRONIC TECHNIQUES APPLIED TO BIOLOGICAL
INSTRUMENTATION WITH ATTENTION TO NEUROCIRCUITS
A65-26447
- PROGRESS IN TELEMETERING MUSCLE POTENTIALS AND
RESPIRATORY DATA
A65-81056
- KOBAYASHI, H.
COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN
STRUCTURE AND FUNCTION OF COPPER ENZYMES
FSU-2690-21 N65-34320
- KOBRICK, J. L.
BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN
ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2 N65-19004
- KOBURG, E.
DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF
COCHLEA
A65-82130
- KOBZA, R.
BIOCHEMICAL DATA CORRELATION IN HARVARD STEP-UP
FUNCTION TEST AS INDICATIVE OF PHYSICAL FITNESS
A65-81719
- KOCH, C.
ELECTROENCEPHALOGRAPHIC RESPONSES AND NYSTAGMUS
AFTER ROTATORY STIMULATION OF VESTIBULAR APPARATUS
A65-81850
- KOCHEMASOVA, N. G.
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY
N65-17787
- KOCHETOV, A. K.
DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED
RESPIRATION IN INTACT ANIMALS
A65-80765
- INDIVIDUAL DIFFERENCES IN SENSITIVITY TO
HYPOCAPNIA AND USE OF HYPERVENTILATION IN
SELECTION OF CANDIDATES FOR FLIGHT TRAINING
N65-13720
- KOCHUMYAN, A. A.
MOUNTAIN CLIMATE THERAPY ON PATIENTS WITH
BRONCHIAL ASTHMA
N65-17831
- KOCMIERSKA-GRODZKA, D.
RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION
A65-80622
- KOEHLER, W.
MOVEMENT AFTEREFFECTS AND FIGURAL AFTEREFFECTS
A65-81010
- KOELLING, R. A.
AROUSAL AVOIDANCE REACTIONS, RETINAL RESPONSE, AND
ADAPTATION OF RAT IN RESPONSE TO IONIZING
RADIATION
A65-80055
- KOESTER, C. J.
DETERMINATION OF ATTENUATING FILTERS REQUIRED FOR
EYE PROTECTION AGAINST LASER RADIATION
A65-22614
- KOESTERER, M. G.
DRY HEAT EFFECT ON MICROBIAL SPORES TO DEVELOP
STERILIZATION SYSTEM IN TREATMENT OF COMPONENT
CONTAMINATION OF SPACECRAFT
NASA-CR-191 N65-18205
- KOESTLER, A. G.
PHYSIOLOGICAL AND PERFORMANCE MEASUREMENTS ON
CHIMPANZEE SUBJECTED TO RAPID DECOMPRESSION TO
NEAR VACUUM AND SUBSEQUENT RECOMPRESSION -
AEROSPACE MEDICINE
NASA-CR-329 N65-36768
- EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- KOFF, A. M.
SIMPLIFIED TECHNIQUE FOR OFFICE EXERCISE
ELECTROCARDIOGRAPHY
A65-82102
- KOGAN, A. B.
EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF
PARAMECIUM CAUDATUM
N65-32664
- KOGAN, E. M.
PHYSIOLOGY OF TISSUE CHANGES IN ANIMALS EXPOSED TO
CENTRIPETAL ACCELERATIONS
N65-13768
- KOGAN, R. YE.
MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED
TO ACCELERATIONS OF VARYING INTENSITY, DURATION,
AND DIRECTION
N65-13706
- KOGANOVSKAYA, M. M.
HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760
- KOGI, K.
RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER
ISOMETRIC AND DYNAMIC METHODS OF TRAINING
A65-81269
- WORK PULSE RATE AS INDICATOR OF PERSISTING MUSCLE
FATIGUE IN HUMANS
A65-81270
- KOGANOVSKA, M. M.
EFFECT OF ASPHYXIA ON ELECTROCARDIOGRAM OF PUPPIES
AND KITTENS OF DIFFERENT AGES
JPRS-30297 N65-24691
- KOHLER, W.
FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER
EXTREME PHYSICAL STRESS
A65-80186
- KOIKE, M.
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE
OXIDATIVE DECARBOXYLATION OF PYRUVATE IN
ESCHERICHIA COLI
A65-16854
- STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF
ESCHERICHIA COLI
NASA-CR-58980 N65-29416
- KOIRANSKII, B. B.
PHYSIOLOGICAL EFFECT OF CHILLING ON BODY
THERMOREGULATORY MECHANISM
A65-80544

- KOK, B.
PARTIALLY REGENERATIVE AND BIOREGENERATIVE LIFE
SUPPORT SYSTEMS EMPHASIZING SPACE CABIN ATMOSPHERE
CONTROL AND FOOD PRODUCTION A65-17930
- CHLOROPLAST LIPIDS, PHOTO INHIBITION,
PHOTOSYNTHETIC ELECTRON TRANSPORT, OXYGEN
EXCHANGE IN CHLOROPLAST REACTIONS, AND ADENOSINE
TRIPHOSPHATE IN RELATION TO PHOTOSYNTHESIS
NASA-CR-53601 N65-17070
- SURVEY OF PHOTOSYNTHESIS AND PHOTOSYNTHETIC
MATERIAL STUDIES
NASA-CR-64418 N65-31053
- KOKIN, L.
BIOINSTRUMENTATION FOR AEROSPACE MEDICINE -
CARDIOPHONE, VECTORCARDIOSCOPE, INTERCOM FOR
BAROMETRIC CHAMBER TESTS, ELECTROCARDIOGRAM
SIMULATOR, AND ELECTRON VOLTAGE STABILIZER
FTD-TT-64-1089/162 N65-33752
- KOKINA, N. N.
ELECTRIC RESPONSE REACTIONS TO STIMULATION
OF OPALINA RANARUM N65-35154
- KOKJRINA, N. A.
D NA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY
OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA
NASA-TT-F-316 N65-32973
- KOLACZ, K.
IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- KOLB, C. R.
MILITARY TECHNOLOGY AND HUMAN FACTORS IN ALASKA
AND OTHER POLAR REGIONS
AAL-TDR-64-28 N65-19970
- KOLBERT, D. E.
ANALOG AND DIGITAL COMPUTER SIMULATION OF
CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS
A65-81357
- KOLCHIN, S. P.
STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO
EFFECTS OF ACCELERATION N65-17746
- KOLCHINSKAYA, A. Z.
AGE AS FACTOR IN HUMAN ADAPTION TO HYPOXIA
N65-17758
- MATURE ORGANISM ADAPTION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774
- DEGREE OF HYPOXIA OR OXYGEN DEFICIENCY PROBLEM
N65-17844
- KOLESHNIK, P. E.
OPERATOR PERFORMANCE OF ROTARY SELECTOR SWITCHES
TS-1187/3111 N65-34302
- KOLIC, E. S.
HYDROLYSIS UNDER SPACE CABIN ATMOSPHERE CONDITIONS
USING HYDROGEN DIFFUSION CATHODE TO REMEDY
CURRENT-BLOCKING EFFECT OF GAS BETWEEN ELECTRODES
AICE PREPRINT 47F A65-15394
- KOLLIAS, J.
SYSTEM FOR PROLONGED EXPOSURE OF SMALL ANIMALS TO
LOW-PRESSURE HIGH-OXYGEN ENVIRONMENTS
A65-81609
- KOLLMANN, G.
ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/
A65-80169
- KOLOSOV, I. A.
PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
PARABOLIC CURVE A65-16618
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS A65-80923
- EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS A65-81197
- CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT A65-81554
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT N65-26918
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
JPRS-30849 N65-27032
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED
WEIGHTLESSNESS
JPRS-31665 N65-31715
- KOLPAKOV, YE. V.
INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS
IN HIGH ALTITUDE ENVIRONMENT N65-17827
- KOMENDANTOV G. L.
PRESSURE CHAMBER ELEVATIONS, LOW OXYGEN BREATHING
MIXTURES, HIGH CARBON DIOXIDE BREATHING
MIXTURES, INCREASED PRESSURE IN GASTROINTESTINAL
TRACK, AND ACCELERATION EFFECT ON REFLEXES
N65-13708
- KOMSHALYUK, S. YE.
CARDIOVASCULAR SYSTEM AS INDEX OF NERVOUS,
EMOTIONAL, AND PHYSICAL STRAIN OF PERSONNEL ON
LONG FLIGHTS WITH COMPLEX MISSION
N65-13709
- KONDO, S.
GEMINI III EXPERIMENT ON SYNERGISTIC EFFECT OF
ZERO GRAVITY AND RADIATION ON HUMAN WHITE BLOOD
CELLS N65-36114
- KONDRATIEV, I. I.
CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE
MARTIAN CONDITIONS FOR MICROBIOLOGICAL
INVESTIGATIONS A65-25099
- MARTIAN CONDITIONS SIMULATED FROM ASTROPHYSICAL
DATA FOR MICROBIOLOGICAL INVESTIGATIONS
A65-30682
- KONDRATOVICH, M. A.
CHANGE IN BASIC HEMODYNAMIC CRITERIA IN
HYPOTHERMIA IN CATS A65-81698
- MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM
AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS
N65-17836
- KONDRATYEV, T. M.
FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL
INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN
IRRADIATED BIOLOGICAL CELLS N65-23457
- KONDRATYEVA, E. N.
PHOTOSYNTHETIC BACTERIA - DISTRIBUTION, ROLE IN
NATURE, ISOLATION, CULTIVATION, MORPHOLOGY, CELL
CHEMICAL COMPOSITION, PIGMENTATION, PHYSIOLOGY,
INITIAL PHOTOSYNTHETIC STAGES, AND TAXONOMY
TT-AEC-TR-6203 N65-28817
- KONDRATYEVA, I. N.
INHIBITION IN SYSTEMS OF VISUAL CORTEX NEURONS BY
AUDITORY AND VISUAL STIMULI IN RABBITS
A65-80703
- KONECCI, E. B.
LIFE SUPPORT SYSTEM FOR MAINTAINING MULTIPLE CREWS
IN ORBITAL AND EXPLORATORY MISSIONS FOR PERIODS UP
TO ONE YEAR A65-11642
- CYBERNETICS OF HUMAN FACTORS IN SPACE SYSTEMS
ENGINEERING
NASA-TM-X-51735 N65-22190
- SOVIET BIOASTRONAUTICS RESEARCH AND MANNED SPACE
FLIGHT PROGRAM N65-22655
- KONICK, A.
SHORT TERM MEMORY AND REACTION TIME - KEEPING
TRACK OF SEVERAL VARIABLES A65-80054

- KONIKOFF, J. J.**
 LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
 AND WASH WATER, USING PERMSELECTIVE SILICONE
 RUBBER MEMBRANE A65-10696
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
 AND WASH WATER, USING PERMSELECTIVE SILICONE
 RUBBER MEMBRANE A65-33554
- BIOELECTRIC POTENTIALS AS PRIMARY POWER SOURCE -
 STUDY OF ELECTRODE MATERIALS AND LOCUS IN
 VARIOUS LABORATORY ANIMALS
 NASA-CR-60955 N65-17947
- KONKOVA, L. G.**
 CHANGES IN PERIPHERAL BLOOD OF RATS IRRADIATED IN
 HYPOTHERMIC STATE A65-81247
- KONOPLIANNIKOV, A. G.**
 RADIATION PROTECTION EFFECTS OF AET AND 5- MOT AS
 FUNCTION OF MARROW CELLS IN MICE A65-26896
- EFFECT OF PROTECTORS ON BONE MARROW REGENERATION
 AFTER IRRADIATION BY SUBLETHAL DOSES OF
 X-RADIATION A65-81551
- REGENERATION OF BONE MARROW AFTER IRRADIATION BY
 600 MEV PROTONS AND X-RAY IN ALBINO MICE
 A65-81627
- KONRADI, G. P.**
 INFLUENCE OF HYPOXIA ON PROPAGATION OF STIMULI IN
 RESPIRATORY FORMATIONS OF BRAIN N65-17766
- KONSTANTINOV, P. A.**
 SPACE FLIGHT GENETIC DANGERS AND RADIATION
 PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
 N65-13683
- KONTOS, H. A.**
 LIMB CIRCULATORY RESPONSE TO
 HYPOCAPNIA IN ANESTHETIZED
 DOG AS AFFECTED BY PHENOXYBENZAMINE A65-80227
- RESPONSE MECHANISM IN DOGS OF CIRCULATION AND
 CARDIOVASCULAR SYSTEM TO HYPOXIA A65-81502
- KONYSHEVA, T.**
 MACHINES AND VISUAL AIDS IN TEACHING
 JPRS-29204 N65-19327
- KOOTI, K. A.**
 VISUAL EVOKED RESPONSES IN HUMAN CEREBRAL CORTEX
 A65-80641
- PHOTICALLY EVOKED OCCIPITAL AND VERTEX WAVES
 DURING SLEEP IN MAN A65-80642
- KOPANE, V. I.**
 PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
 ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
 PARABOLIC CURVE A65-16618
- KOPANEV, V. I.**
 WEIGHTLESSNESS EFFECTS ON BLOOD CIRCULATION AND
 SECONDARY PHYSIOLOGICAL RESPONSE IN MAN A65-80088
- WEIGHTLESSNESS EFFECTS ON PSYCHOMOTOR PERFORMANCE
 AND PHYSICAL EXERCISE IN MAN IN RELATION TO DEGREE
 OF RESTRAINT A65-80158
- BODY MOVEMENTS AND NERVOUS SYSTEM FUNCTION IN
 WEIGHTLESSNESS DURING MANNED SPACE FLIGHT
 A65-80920
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
 STATE OF WEIGHTLESSNESS A65-80923
- PHYSIOLOGICAL EFFECT OF WEIGHTLESSNESS ON HUMAN
 ORGANISM A65-80980
- CAPACITY OF MAN TO PERFORM WORK DURING
 WEIGHTLESSNESS OF SPACE FLIGHT A65-81554
- REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
 HUMANS DURING SPACE FLIGHT
 JPRS-27591 N65-10989
- EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT
 N65-14528
- PHYSIOLOGICAL MECHANISM OF WEIGHTLESSNESS EFFECT
 ON HUMAN ORGANISMS
 JPRS-29433 N65-20829
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
 JPRS-30849 N65-27032
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED
 WEIGHTLESSNESS
 JPRS-31665 N65-31715
- KOPAYEV, YU. N.**
 CHANGES IN DOG PANCREAS FOLLOWING SINGLE LATERAL
 ACCELERATION N65-13710
- KOPP, W. W.**
 MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT
 ACCIDENTS A65-36003
- KOPYEV, V. YA.**
 SPACE FLIGHT GENETIC DANGERS AND RADIATION
 PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
 N65-13683
- KORESHKOV, A.**
 PHYSICAL AND EMOTIONAL TRAINING OF SOVIET
 COSMONAUTS
 JPRS-31250 N65-29011
- KORESHKOV, A. A.**
 CARDIOVASCULAR REACTION DURING PARACHUTE TRAINING,
 VIBRATION EXPOSURE, AND PROLONGED CONFINEMENT
 AND ISOLATION AS MEASURE OF EFFICIENCY AND
 ENDURANCE OF MAN FOR SPACE FLIGHT TRAINING
 N65-13712
- KORNBERG, H. A.**
 RADIATION EFFECTS IN MAN AND ANIMAL ORGANISM
 HW-83613 N65-15860
- KORNBLUM, S.**
 REACTION TIME OF FINGER AS FUNCTION OF RESPONSE
 ALTERNATIVES IN TWO-CHOICE REACTION TIME TASK
 A65-80615
- KORNER, P. I.**
 ROLE OF ARTERIAL CHEMORECEPTORS AND BARORECEPTORS
 IN CIRCULATORY RESPONSE TO HYPOXIA IN RABBITS
 A65-82274
- KORNHUBER, H. H.**
 ROLE OF CORNEO-CONJUNCTIVAL SENSITIVITY IN
 AWARENESS OF EYE MOVEMENT DURING VESTIBULAR
 NYSTAGMUS A65-81506
- KOROBKOV, A. V.**
 VALUE OF PHYSICAL FITNESS IN PRESERVING MENTAL,
 MOTOR, AND AUTONOMIC STABILITY IN PREPARATION
 AND EXECUTION OF EXTENDED SPACE FLIGHTS
 N65-13714
- KOROGODIN, V. I.**
 REALIZATION PERIOD FOR POTENTIAL RADIATION DAMAGE
 IN DIPLOID YEAST CELLS N65-26387
- KOROLEV, V. V.**
 INJURIES TO VASCULAR SYSTEM AND DEGENERATIVE
 CHANGES IN RENAL TUBULES AS MORPHOLOGICAL
 CHANGES IN DOG KIDNEY HISTOLOGY CAUSED BY
 LATERAL ACCELERATIONS N65-13716
- KOROLEV, YU. N.**
 STRUCTURAL CHANGES IN DOG LUNGS AFTER EXPOSURE TO
 LATERAL ACCELERATIONS IN BACK-CHEST DIRECTION
 N65-13715
- KOROLKOV, V. I.**
 EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON
 MYOCARDIAL OXYGEN TENSION IN DOGS
 A65-82186
- EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE

- HYPOXIA IN DOGS AT HIGH ALTITUDE N65-13704
- KOROTKOVA, V. P.
ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
TO RADIATION DAMAGE INFLICTED AFTER USE OF
CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
IN RATS AND MICE A65-80541
- KORY, R. C.
ARTERIAL CARBON DIOXIDE TENSION AS AFFECTED BY
LIPEMIA AND HEPARIN A65-80668
IMPEDANCE SYSTEM FOR MEASURING TIDAL VOLUME AND
VENTILATION OF SUBJECTS IN STANDING, SITTING, AND
SUPINE POSITIONS A65-81179
- KORZHUDEV, P. A.
ROLE OF GRAVITY IN LIFE OF ORGANISMS AND EVOLUTION
OF ANIMALS - PROBABLE EFFECTS OF PROLONGED
WEIGHTLESSNESS N65-13713
PHYSIOLOGY AND BIOCHEMISTRY OF HYPOXIA ADAPTATION
TO HIGH MOUNTAINS N65-17812
- KOSENKOV, M. M.
CONFERENCE ON OBSERVATION BY ASTRONAUTS UNDER
SPACE FLIGHT CONDITIONS
FTD-TT-65-1/1 N65-28118
- KOSHARSKAYA, I. L.
RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND
RATE OF PRESSURE CHANGE IN RIGHT AND LEFT
VENTRICLES
NASA-TT-F-9384 N65-27686
- KOSHIN, M. L.
STIMULATION OF SYMPATHETIC SYSTEM CONTROLLING
ADRENAL ACTIVITY BY SMALL DOSES OF ULTRAVIOLET
RADIATION DURING PROPHYLACTIC TREATMENT IN
CHILDREN A65-80592
- KOSHLAND, M. E.
MECHANISM OF HUMAN ANTIBODY FORMATION
BNL-912/T-374/ N65-33991
- KOSKI, C. H.
PARADOXICAL EFFECT OF HOMOGENEOUS LIGHT
STIMULATION ON FIGURAL AFTEREFFECT A65-80093
- KOSMOLINSKIY, F. P.
EXCRETION OF STEROID HORMONES WITH URINE DURING
LONG NIGHT FLIGHTS BY AIRCRAFT CREWS N65-13676
PSYCHOLOGICAL AND PHYSIOLOGICAL CHARACTERISTICS
OF WORK OF AIRCREWS DURING IN-FLIGHT REFUELING
N65-13717
AVIATION PHYSIOLOGY N65-13759
PHYSIOLOGY OF FLYING N65-24733
- KOSOWSKY, B. D.
HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- KOSTENKO, O. P.
HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760
- KOSTINA, V. P.
CHEMICAL COMPOSITION OF CHLORELLA VULGARIS BEYER
GROWN IN OPEN TANKS N65-28103
- KOSTROMINA, A. P.
URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH
MOUNTAIN CONDITIONS N65-17823
- KOSTYANOVSKIY, R.
CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN
JPRS-31349 N65-29879
- KOSTYUK, L. V.
AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764
- KOSTYUK, P. G.
EFFECT OF POTASSIUM ION CONCENTRATION ON
ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES
OF GRAPE SNAIL N65-32661
- KOSYAN, I. I.
HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
JPRS-30849 N65-27032
- KOTOVA, E. S.
EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA
AND NEUTRON RADIATION - OPHTHALMOLOGY N65-21209
ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND
RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES
NASA-TT-F-9594 N65-36753
- KOTOVSKAIA, A. R.
PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF
OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS
OF LABORATORY /CENTRIFUGE/ TESTS A65-34947
CARDIOVASCULAR AND RESPIRATORY REACTIONS IN DOG
DURING ORBITAL FLIGHTS OF SPUTNIK III, IV, AND V
SATELLITES A65-80150
- KOTOVSKAYA, A. R.
EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718
PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS
UNDER SPACE FLIGHT CONDITIONS
NASA-TT-F-9597 N65-36756
- KOTOVSKIY, YE. F.
VASCULAR CHANGES AND CHANGES IN HEPATIC CELLS AND
BILE DUCT CELLS OF DOGS SUBJECTED TO LATERAL
ACCELERATIONS N65-13719
- KOTS, IA. M.
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM
A65-80749
QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN
SUSTAINED POSTURE IN HUMANS A65-80753
- KOURIGIN, S. D.
EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE
OF HUMANS N65-28297
- KOVALCHUK, A. A.
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS
IN MALE MINERS WITH SECOND AND THIRD STAGE
VIBRATION SICKNESS N65-22644
- KOVALENKO, A. F.
CHANGES IN CARDIOVASCULAR AND NERVOUS SYSTEMS
AFTER EXPOSURE TO AIR STREAM AT SUPERSONIC SPEED
N65-13703
- KOVALENKO, YE. A.
POLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN
TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING
CONDITIONS A65-80090
APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND
GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED
IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS
A65-80266
OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA
AND BRAIN CIRCULATION A65-81338
EFFECT OF HIGH ALTITUDE AND ACCELERATION STRESS ON
MYOCARDIAL OXYGEN TENSION IN DOGS A65-82186
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681

- EFFECT OF HYPOTHERMIA ON TOLERANCE OF ACUTE HYPOXIA IN DOGS AT HIGH ALTITUDE
N65-13704
- OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS
N65-13705
- POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING ORGANISM
N65-17768
- OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA
N65-17769
- OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE
FTD-TT-64-634/1&2&4
N65-19139
- KOVALEV, V.
CLINICAL OBSERVATION OF REACTION OF CREW OF SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHO
NOTING VESTIBULAR EFFECTS
A65-28331
- FIRST COSMIC EXPEDITION- BIOMEDICAL RESEARCH ON ASTRONAUT RESPONSE
A65-81486
- KOVALEV, YE. YE.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED SPACE FLIGHTS
A65-29943
- MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- RADIATION DOSES MEASURED IN SOVIET MANNED ORBITAL FLIGHTS
FTD-TT-63-1017/1
N65-10877
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429
N65-27715
- KOVALEVA, N. T.
HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND TRAINING OF FLIGHT PERSONNEL
N65-13753
- KOVARSKIY, M. YE.
AUTOMATED LABORATORY APPARATUS FOR STUDY OF ANIMAL CONDITIONED REFLEX
JPRS-30962
N65-28133
- KOVATS, L.
REPORT ON STUDIES WITH GROUND HOG, MARMOTA MONAX - BIOCHEMICAL AND PHARMACOLOGICAL INVESTIGATIONS OF BLOOD AND BROWN FAT
A65-81457
- KOVIT, B.
EXTRAVEHICULAR SPACE SUIT DESIGN STRESSING MOBILITY AND COMFORT NEEDS
A65-26257
- SPACE SUIT DESIGN FOR EXTRAVEHICULAR OPERATION
A65-81403
- KOVRIGIN, S. D.
EFFECT OF NOISE LEVEL ON WORK EFFICIENCY
A65-81703
- KOWALSKY, N.
CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON VENTILATION
A65-81896
- KOYAL, S. N.
BLOOD LACTIC ACID IN BENGALI MALES LIVING IN TROPICAL CLIMATE - EFFECT OF PHYSICAL EXERCISE
A65-80973
- KOYRANSKIY, B. B.
CONFERENCE ON AEROIONIZATION IN INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES
JPRS-30442
N65-25457
- KOZACHUK, YU. S.
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE IN HYPERTENSION OF ARTERY
N65-17787
- KOZAK, W.
RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE NUCLEUS /Diencephalon/ OF CAT TO MOVING VISUAL PATTERNS
A65-81302
- KOZHEVNIKOV, V. A.
HUMAN SENSORY SYSTEM ADAPTABILITY TO SPACESHIP ENVIRONMENT FOR INFORMATION PROCESSING
A65-31239
- AUTOMATIC FREQUENCY ANALYSIS AND MEASUREMENT OF BIOELECTRIC POTENTIALS
N65-16730
- EXPERIMENTAL INVESTIGATION OF SPEECH PROCESS, SPEECH FORMING MECHANISM, PERCEPTION, AND ARTICULATION FOR HUMAN COMMUNICATION WITH ELECTRONIC COMPUTERS
JPRS-30543
N65-25514
- SENSORY ACTIVITY ASPECTS APPLIED TO PROBLEMS IN SPACE PHYSIOLOGY
NASA-TT-F-9426
N65-27712
- KOZHUKHAR, N. P.
EFFECT OF ADEQUATE STIMULATIONS OF VESTIBULAR APPARATUS ON ELECTRIC POTENTIAL OF STOMACH
N65-13769
- KOZIN, V. M.
CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR IN FLIGHT PERFORMANCE OF PILOTS
N65-13691
- TESTING HEARING BY USING SPEECH AUDIOMETRY TO DETERMINE WORD GROUP PERCEPTION IN FITNESS EXAMINATIONS OF FLIGHT PERSONNEL
N65-13707
- KOZINER, V. B.
OXYGEN SUPPLY OF BRAIN DURING CIRCULATORY HYPOXIA AND BRAIN CIRCULATION
A65-81338
- KOZLOV, A. N.
PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS OF LIMITED MOTOR ACTIVITY
N65-13693
- KOZLOV, V. A.
VOSTOK III AND IV SPACE FLIGHT RADIATION EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI K-12 /LAMBDA/ SUSPENSIONS
A65-35818
- BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC BACTERIA
A65-35819
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4
A65-81620
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS
N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- KOZLOVA, A. G.
EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- KOZLOVA, A. V.
DOSIMETRY AND RADIATION THERAPY IN U.S.S.R.
N65-30220
- KOZNOVA, L. B.
CORRELATION OF RADIATION DISEASE DATA IN MICE WITH LIFE EXPECTANCY AFTER GAMMA IRRADIATION - DOSAGE RANGE DIFFERENCE DUE TO INDIVIDUAL
N65-21210
- KRAENBRING, C.
VESTIBULAR THRESHOLD TESTS - DIAGNOSTIC VALUE AND RELATION TO NYSTAGMUS
A65-81724

- KRAMER, G.
EXPERIMENTS ON PERCEPTION OF ULTRALOW FREQUENCY WAVES BY BIRDS
NRC-TT-1162 N65-28590
- KRAMER, K.
OXYGEN CONSUMPTION AND SODIUM REABSORPTION IN DOG KIDNEY A65-80362
- PRESSURE RECEPTOR REFLEXES AFFECTING CORONARY BLOOD FLOW
AMRL-TR-64-94 N65-19148
- KRAMER, M.
ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC, AND TOXICOLOGIC OBSERVATIONS A65-80820
- KRAMER, B. B.
DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING EXERCISE AND HYPOXIA A65-80990
- KRAMPITZ, G.
CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS SOLUTION BY THERMAL PROTEINOIDS A65-25243
- CATALYTIC DECOMPOSITION OF GLUCOSE IN AQUEOUS SOLUTION BY THERMAL PROTEINOIDS
NASA-CR-60569 N65-16319
- CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS
N65-18596
- CHEMICAL SYNTHESIS OF PROTEINOIDS AND FEEDING EXPERIMENTATION WITH RATS N65-18597
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND PROTEINOID PRODUCTION FOR NUTRITIONAL INVESTIGATION
NASA-CR-56268 N65-22180
- KRASHILINA, A. YA.
CHARACTERISTICS OF ALKALOIDS ISOLATED FROM VINCA ROSEA LINN
JPRS-28448 N65-15352
- KRASILNIKOVA, N. V.
DIURNAL CYCLE OF MITOTIC ACTIVITY OF VARIOUS ORGAN TISSUES AFTER MECHANICAL INSULT IN RODENTS A65-80395
- KRASNOVSKIY, A. A.
DIFFERENTIAL SPECTRUM OF GREEN BACTERIA CHLOROPSEUDOMONAS ETHYLICUM FOR DETECTION OF BACTERIOVIRIDINE CONVERSIONS DURING PHOTOSYNTHESIS N65-32660
- KRASNYKH, I. G.
BLOOD CIRCULATION IN MICE AND RATS TRACED FOR DETERMINING INFLUENCE OF ANTIRADIATION DRUGS ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN IN ORGANS N65-26390
- KRAUSKOPF, J.
SPECTRAL SENSITIVITY OF SMALL RETINAL AREAS
AD-448595 N65-12067
- HUMAN VISUAL PERCEPTION AND VISUAL BEHAVIOR RESPONSES TO STIMULI
AD-455490 N65-21897
- KRAUSS, R. W.
TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH TEMPERATURE STRAIN CHLORELLA 7-11-05 A65-32939
- NATURALLY OCCURRING STEROLS OF CHLORELLA VULGARIS, C. ELLIPSOIDEA, AND C. SACCHAROPHIL
A65-82346
- PHYSIOLOGY AND BIOCHEMISTRY OF CHLORELLA FOR APPLICATION IN CLOSED ECOLOGICAL SYSTEMS
NASA-CR-60396 N65-15801
- PHOTOSYNTHETIC ORGANISMS AS COMPONENTS OF CLOSED ECOLOGICAL SYSTEMS - BIOCHEMISTRY OF ALGAE
NASA-CR-55554 N65-16812
- KRAUTHAMER, G.
INHIBITION OF NONSPECIFIC SENSORY POTENTIALS IN CAT FOLLOWING STRIOPALLIDAL AND CAPSULAR STIMULATION A65-81303
- KRAVITZ, J. H.
RAPID ADAPTATION IN CONSTANCY OF VISUAL DIRECTION WITH ACTIVE AND PASSIVE ROTATION A65-81934
- KRAYZMER, L. P.
BIONICS - BASIC PROBLEMS AND TECHNOLOGY
JPRS-27635 N65-12055
- KREBS, J. S.
LETHAL ACCUMULATION OF X-RAY IRRADIATION BY MICE FROM FRACTIONATED EXPOSURE
USNRDL-TR-784 N65-11666
- KRECEK, J.
OBJECTIVE EVALUATION BY DIGITAL COMPUTERS OF HYPOXIC STRESS REACTIONS IN MAN AND OF METHODS USED A65-81947
- KREIDER, M. B.
PHYSIOLOGIC AND PATHOLOGIC EFFECTS OF EXTREME COLD DURING TOTAL BODY COOLING AND LOCAL COLD INJURY IN MAN A65-80498
- KREIDLER, D. L.
PERFORMANCE ON COMPLEX INFORMATION-PROCESSING TASK AS FUNCTION OF INSTRUCTIONAL SET AND CHOICE OF SUBJECTIVE CRITERION A65-80243
- KREIFELDT, J. G.
SAMPLED DATA PURSUIT HAND-TRACKING MODEL FOR HUMAN OPERATOR A65-35477
- SAMPLED DATA PURSUIT HAND TRACKING MODEL FOR HUMAN OPERATOR
NASA-CR-57221 N65-19749
- KREINDLER, L. S.
LEGAL ASPECTS OF AIRCRAFT ACCIDENTS OF MILITARY AND CIVIL AVIATION USEFUL TO PATHOLOGISTS A65-81540
- KREJCOVA
ANALYSIS OF HUMAN ELECTRONYSTAGMOGRAM AND EVALUATION OF VESTIBULAR APPARATUS FUNCTION A65-80226
- KREMYANSKIY, V. I.
SPECIFIC CHARACTER OF BIOLOGICAL STRUCTURES INCLUDING SYSTEM CHANGES, INTERRELATIONSHIPS, BEHAVIOR, AND DEVELOPMENT
JPRS-30737 N65-27025
- KRENDEL, E.
DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM - QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- KRESGE, D. J.
BIOTELEMETRY IN MEDICINE - DESCRIPTION OF NEW TELEMETERED ELECTROCARDIOGRAPH A65-80840
- KRETCHMAR, A. L.
PREVENTION OF INFECTIONS AND HEMORRHAGIC MANIFESTATIONS FOLLOWING SEVERE RADIATION DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES N65-25661
- SHIFT IN DISTRIBUTION OF BODY NITROGEN IN IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662
- KRETOVICH, V. L.
ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY CHLORELLA PYRENOIDOSA PRINGSHEIM 82T A65-80599
- KRETZ, A. P., JR.
COMPATIBILITY OF STERILIZATION AND CONTAMINATION CONTROL WITH APPLICATION TO SPACECRAFT ASSEMBLY, EMPHASIZING CONCENTRATION OF MICROBIOLOGICAL PARTICLES UNDER PRESENT CLEAN ROOM AND WORK STATION CONDITIONS A65-35114

KREUKNIET, JOH.

INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION A65-80198

KREUZER, F.

HUMAN RESTING PULMONARY DIFFUSING CAPACITY FOR
CARBON MONOXIDE AND OXYGEN AT HIGH ALTITUDE A65-81148

CATECHOLAMINES IN PLASMA AND URINE AT HIGH
ALTITUDE A65-81606

KRICHAGIN, V. I.

DEGREE OF PRESSURE EXERTED BY THERMOREGULATORY
MECHANISMS OF BODY IN ORDER TO FORESTALL SERIOUS
DISORDERS CAUSED BY OVERHEATING OR SUPERCOOLING N65-13721

KRICHEVSKAYA, Y. I.

EFFECT OF IONIZING RADIATION ON LEVEL OF HISTAMINE
IN TISSUE AND EARLY RADIATION DAMAGE TO
HISTOHEMATIC BARRIERS
FTD-TT-64-644/1 N65-11100

KRIGER, Y. A.

EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC
AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE
BLOOD AND ERYTHROCYTES A65-21941

GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND
CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES A65-80927

EFFECT OF GAMMA RADIATION AND VIBRATION ON
DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION
BALANCE OF ERYTHROCYTES
FTD-TT-65-585/162&4 N65-34868

KRINSKII, V. I.

STUDY OF TREMOR IN HUMAN POSTURE MECHANISM A65-80749

STUDY OF COMPLEX MOVEMENTS IN HIGHLY ORGANIZED
MAMMAL SYSTEMS A65-80831

AUTOMATION PROBLEMS IN BIOPHYSICS
JPRS-27785 N65-12785

KRISE, G. M.

EFFECT OF RADIATION ON AUDITION AND CONDITIONED
RESPONSES IN SPANISH GOAT A65-81570

KRISHNASWAMY, N.

HOT-WIRE MICROANEMOMETER OF AIR MOVEMENTS
INSIDE CLOTHING A65-81921

KRISHNASWAMY, P. B.

OPTIMAL CONTROL OF HUMAN CENTRIFUGE USED TO
SIMULATE SUDDEN ACCELERATION CHANGES, EMPLOYING
COMBINED VARIATIONAL CALCULUS AND PHASE PLANE
ANALYSIS A65-14963

KRISTOFFERSON, A. B.

MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001

ATTENTION THEORY AND PARAMETER MEASUREMENTS OF
HUMAN ABILITY TO DISCRIMINATE TWO SENSORY EVENTS
SUCCESSIVELY AND SENSORY CHANNEL UNCERTAINTY
INFLUENCE ON REACTION TIME
NASA-CR-194 N65-23170

KRISTOFFERSSON, R.

HIBERNATION OF HEDGEHOG, ERINACEUS
EUROPAEUS - PERIODICITY OF HIBERNATION OF
UNDISTURBED ANIMALS DURING WINTER AT CONSTANT
AMBIENT TEMPERATURE A65-81764

HIBERNATION IN HEDGEHOG, ERINACEUS
EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO
GRADUALLY DECREASING OR INCREASING AMBIENT
TEMPERATURE A65-81765

KRKOVIC, A.

SKIN-CONDUCTANCE, ALPHA-ACTIVITY, AND VIGILANCE
A65-81582

KROG, J.

AUTONOMIC NERVOUS INFLUENCE ON HEART OF
HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG,
ERINACEUS EUROPEUS A65-81463

KROGSGAARD, M.

AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO
ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD
CIRCULATION, AND BODY HEAT REGULATION A65-82031

KRONGAUZ, A. N.

ROENTGEN AND GAMMA RADIATION DOSAGE MEASUREMENT
FOR RADIATION THERAPY
JPRS-27527 N65-11232

ABSORBED DOSES OF LONG WAVE X-RAY RADIATION BY
VOLTAGE PRODUCTION, GEOMETRIC CONDITIONS,
QUALITATIVE AND QUANTITATIVE CHARACTERISTICS,
DISTRIBUTION IN ADJACENT TISSUE, AND FOCUS DOSE
N65-26804

IONIZING RADIATION DOSIMETRY RESEARCH AND DEVICE
DEVELOPMENT N65-30217

KROTKOV, G.

IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS A65-81891

KRUGER, L.

SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN
RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE
IRRADIATION A65-81453

KRUGLIK, M. D.

DRUGS FOR PREVENTION AND TREATMENT OF
AIRSICKNESS N65-13636

KRUGMAN, A. D.

DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON
PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE
AND CHLORAL HYDRATE WITH YOUNG ADULT MALE A65-80448

KRUK, D.

RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE A65-81229

KRUMHOLZ, R. A.

SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW A65-80674

KRUSHINSKIY, L. V.

MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN
NEURAL PROCESSES OF EXCITATION AND INHIBITION
N65-14579

KRYLOV, S. D.

ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS
FACTORS IN ALBINO MICE A65-80796

KRYLOV, S. S.

TWO CHEMORECEPTOR MECHANISMS OF CAROTID SINUS
REFLEX - HYPOXIA N65-17785

KRYLOV, YU. V.

NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT
SYSTEMS IN SPACESHIP CABINS DURING PROLONGED
FLIGHTS A65-35255

IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED
BY HUMAN OPERATOR N65-13749

EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL
MEASURES N65-13778

SENSORIMOTOR COORDINATION IN EXTENDED
WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT N65-13780

HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER
OF HUMAN TO DETERMINE THRESHOLD VALUE FOR
LIFE-SUPPORT NOISE IN MANNED SPACECRAFT
NASA-TT-F-9596 N65-36755

- KRYTER, K. D.
RELATIONS BETWEEN SCORES OF P B-WORD TEST AND
MODIFIED RHYME TEST AND TEST CONDITIONS A65-28430
- PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING
OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE
BACKGROUND A65-29976
- DAMAGE RISK CRITERION AND CONTOURS BASED ON
PERMANENT AND TEMPORARY HEARING LOSS DATA A65-80992
- ACOUSTIC REFLEX OF INFANTRYMEN EXPOSED TO WHITE
NOISE A65-82311
- ACOUSTIC REFLEX IN INFANTRYMEN - PSYCHOLOGY
REPT.-1159 N65-13172
- AUDITORY FATIGUE PRODUCED BY HIGH INTENSITY
ACOUSTIC IMPULSES
REPT.-1158 N65-14366
- SUBJECTIVE REACTIONS TO SONIC BOOMS AND HUMAN
ADAPTATION OR REACTION
NASA-CR-187 N65-17877
- FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT
NOISE - MASKING OF SPEECH AND VARIABILITY OF
SUBJECTIVE JUDGMENTS
FAA-ADS-42 N65-33435
- KRYUKOVA, L. M.
GENETIC ADAPTATION OF ORGANISMS TO RADIATION AND
PRACTICAL USE OF MUTAGENS N65-28290
- KRZYWANIEK, H. J.
CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND
EXERCISE HABITS - POTENTIAL CARDIAC RISK AND
SCREENING TEST A65-81599
- KU, F.-C.
DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS N65-23364
- KUATOVA, ZH.
SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- KUBICEK, W. G.
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
IMPEDANCES A65-10727
- ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
CARDIAC CYCLE OUTPUT OBSERVATION N65-16607
- KUBIS, J. F.
PHYSICAL, PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIAL
HABITABILITY PROBLEMS OF PROLONGED SPACE MISSIONS
A65-26740
- DECISION PROCESS, AND PHYSIOLOGICAL RESPONSE
SYSTEMS USED IN LIE DETECTION - INTERPRETATION
OF POLYGRAPHIC DATA
RADC-TDR-64-101 N65-19993
- KUDO, G.
RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY,
SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405 N65-24236
- KUDRIASHOV, IY. B.
USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF
THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST
RADIATION DAMAGE TO TISSUE CELLS A65-80542
- REGENERATION OF BONE MARROW AFTER IRRADIATION BY
600 MEV PROTONS AND X-RAY IN ALBINO MICE A65-81627
- KUDRYAVTSEV, A. A.
INSTRUMENT FOR RECORDING PULSE WAVES AND BLOOD
PRESSURE IN ANIMALS
- FTD-TT-63-1176/1&2 N65-11900
- KUEHMEL, H. A.
IN FLIGHT CREW ACTIVITIES COVERING DETAILED
FLIGHT PLAN, ACTIVITIES AND PROCEDURES, CHECKLISTS
AND SUMMARY A65-12574
- KUHN, E.
MATHEMATICAL EVALUATION OF OXYGEN CONSUMPTION
DURING PHYSICAL EXERCISE AND RECOVERY A65-81717
- KUHN, P.
HEART RATE CORRELATION WITH EJECTION TIME IN
NORMAL INDIVIDUAL A65-82210
- KUHN, R.
PSYCHOLOGICAL EFFECTS OF CHRONIC MILD HYPOXIA
A65-81322
- KUKYANOVA, L. D.
EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- KULESHOV, D. S.
CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS N65-13691
- KULESHOVA, Z. S.
THERAPEUTIC APPLICATION OF WEAK, LOW FREQUENCY
IMPULSE CURRENT ON CENTRAL NERVOUS SYSTEM
JPRS-31837 N65-32380
- KULIK, G. I.
CHEMICAL CHANGES IN BLOOD SUBSTANCES OF ANIMALS
IN HIGH ALTITUDE ENVIRONMENT N65-17824
- KULIKOVA, N. M.
EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS N65-13691
- ELECTROCARDIOGRAM CHANGES IN FLIGHT PERSONNEL
AFTER PROLONGED NONSTOP FLIGHTS IN TURBOPROP
AIRCRAFT N65-13725
- KULIKOWSKI, J. J.
NONLINEAR AUTONOMIC CONTROL PROCESSES IN RETINA
AND IMPLICATIONS TO ADAPTIVE CONTROL PROCESSES
A65-34985
- KULIKOWSKI, R.
PHYSICAL AND PSYCHIC EFFORTS OF HUMAN OPERATORS
IN ADAPTIVE OPTIMIZATION OF DYNAMIC SYSTEMS
N65-17645
- KULINSKIY, V. I.
CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718
- KULLOCK, S.
OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF
GRAVITY
NASA-TT-F-9562 N65-33806
- KUMOI, T.
VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO
STIMULATION OF AMPULLAR NERVE ANALYZED IN
ANESTHETIZED CAT A65-80463
- KUNDEL, H. L.
RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN
AND BONE MARROW AFTER TOTAL BODY IRRADIATION -
VITRO ASSAY SYSTEM
SAM-TR-65-14 N65-26240
- MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND
COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME
LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679
- EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE

- HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE
OXIDATION BY RAT SPLEEN AND BONE MARROW
SUSPENSIONS
SAM-TR-65-29 N65-34260
- KUPFER, C.
NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN
VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF
VERSION AND VERGENCE
NASA-CR-238 N65-25300
- KURASHVILI, A. E.
REGULAR CHANGES OF CANINE PHYSIOLOGICAL RESPONSE
UNDER CUMULATIVE SLOW CENTRIPETAL ACCELERATION
FTD-MT-63-179 N65-11618
- KURILOVA, L. M.
EFFECT OF DARK ADAPTATION OF OPTIC AFFERENT SYSTEM
ON THERMORECEPTORS OF HUMAN SKIN
A65-80715
- EFFECT OF AREA STIMULATED AND DURATION OF THERMAL
STIMULUS OF CUTANEOUS RECEPTORS ON OPTICAL SENSORY
NEURON FUNCTION A65-80718
- KURLYANDSKAYA, YE. B.
STANDARDIZATION OF RADIOACTIVE SUBSTANCES
N65-10124
- RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781
- INDUSTRIAL AIR POLLUTION AS SAFETY HAZARD -
STANDARDIZATION OF TOXIC CRITERIA, EFFECTS ON
CENTRAL NERVOUS SYSTEM, ARSENIC POISONING, AND
TRACING PHENOL CONTENT IN AIR
JPRS-29981 N65-23776
- KURNISHKOV, I. S.
PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS A65-81190
- KURSHAKOV, N. A.
OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE
DURING RADIATION SICKNESS N65-22730
- KURZ, R. B.
RORSCHACH CORRELATES OF TIME ESTIMATION
A65-82087
- KUTNER, F.
EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT
ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS
A65-81202
- KUTYREVA, A. P.
SPECTRAL PECULIARITIES OF OPTICAL PROPERTIES OF
SPECIES OF PLANTS ON HIGH ALTITUDE SEMIDESERT OF
EASTERN PAMIR A65-20084
- KUWABARA, H.
EXERCISE EFFECTS ON CORONARY AND PULMONARY
CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY
SINUS CATHETERIZATION A65-31346
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND
PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL
SUBJECTS A65-81668
- KUZIN, A. M.
RADIATION PROTECTION AND GENETICS, AND RECOVERY
PROCESSES DURING POST-RADIATION PERIOD -
RADIOBIOLOGY SURVEY OF IONIZING RADIATION ON
ANIMALS, INSECTS, AND YEAST CELLS
AEC-TR-6404 N65-26378
- RELATIVE BIOLOGICAL EFFECTIVENESS OF FAST NEUTRONS
FOR STUDYING IRRADIATION DAMAGE OF CELLS
N65-26381
- KUZIN, N. I.
INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN
SURGICAL OPERATIONS
NASA-TT-F-9546 N65-32754
- KUZMENKO, L.
AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS
WITH ACUTE RADIATION SICKNESS
FTD-TT-65-383/164 N65-33411
- KUZMINOV, A. I.
HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438
- KUZMINOV, A. P.
VISUAL FUNCTION AND ACUITY IN SPACE FLIGHT
JPRS-28646 N65-15867
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403
- CONFERENCE ON OBSERVATION BY ASTRONAUTS UNDER
SPACE FLIGHT CONDITIONS
FTD-TT-65-1/1 N65-28118
- KUZNETSOV, A. G.
WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN
RATS IN LOW PRESSURE CHAMBER A65-81671
- EFFECT OF PROLONGED EXPOSURE TO CONDITIONS OF
ARTIFICIAL ATMOSPHERE ON HUMAN BODY
NASA-TT-F-276 N65-11045
- HELIUM SUBSTITUTION FOR NITROGEN IN SPACECRAFT
CABINS N65-13675
- CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND
DOGS CAUSED BY EXPLOSIVE DECOMPRESSION
N65-13722
- CHANGES IN RESPIRATORY AND CARDIOVASCULAR
FUNCTIONS AFTER PROLONGED EXPOSURE TO
LOW BAROMETRIC PRESSURE N65-13723
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- KUZNETSOV, E. D.
VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596
- CHANGES IN MINERAL CONCENTRATION IN NUTRIENT
MEDIUM DURING GROWTH OF CHLORELLA
A65-80940
- KUZNETSOV, M. I.
PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN
TASTE SENSATION AND RELATION TO HIGH ALTITUDE
FLYING A65-80396
- KUZNETSOV, O. N.
HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED
SENSORY STIMULATION
JPRS-28929 N65-17304
- EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE,
OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER
SOCIAL ISOLATION AND SENSORY DEPRIVATION -
PSYCHOPATHOLOGY
JPRS-30158 N65-24349
- KUZNETSOV, V.
FLIGHT CONDITION SIMULATION FOR PRECISION
TRAINING OF PILOTS N65-24863
- KUZNETSOV, V. S.
NORMALIZATION OF NOISE PRODUCED BY LIFE SUPPORT
SYSTEMS IN SPACESHIP CABINS DURING PROLONGED
FLIGHTS A65-35255
- EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL
MEASURES N65-13778
- HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER
OF HUMAN TO DETERMINE THRESHOLD VALUE FOR
LIFE-SUPPORT NOISE IN MANNED SPACECRAFT

- NASA-TT-F-9596 N65-36755
- KUZNETSOVA, N. A.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPDIETIC TISSUES A65-29946
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- PROLONGED ACCELERATION AND GRAVITATIONAL FORCES
EFFECT ON GROWTH OF ORGANISM AND VITAL
ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS
N65-31378
- EFFECT OF IONIZING RADIATION ON FUNCTIONAL STATE
OF SPINAL REFLEX ARC N65-31383
- EFFECT OF VERTICAL VIBRATION ON MOTOR DEFENSE
REFLEX IN GUINEA PIG N65-31384
- COMBINED EFFECTS OF VIBRATION AND RADIATION ON
FUNCTIONAL STATE OF MOTOR DEFENSE FLEXOR REFLEX
ARC N65-31385
- KUZNETSOVA, N. N.
RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
JPRS-29282 N65-19472
- KUZNETSOVA, S. S.
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- KUZNETSOVA, YE. I.
CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS
N65-13691
- CHANGES IN VECTORCARDIOGRAM OF FLIGHT PERSONNEL
IN EARLY STAGES OF HYPERTENSION
N65-13724
- KVASNIKOVA, L. N.
SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS
N65-13727
- KVITNITSKIY, M. YE.
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY N65-17787
- MOUNTAIN CLIMATE EFFECT ON CARDIOVASCULAR SYSTEM
AND CELL DEATH IN MUSCLE TISSUE OF HEART IN DOGS
N65-17836
- KWAN, A.
MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE
FROM SACRIFICED MALE RAT FEMURS IN VITRO
A65-16559
- KYAZEN, I. M.
ADAPTIVE COMPENSATORY FUNCTIONS OF ORGANISM IN
HYPOXIA N65-17773
- KYDD, G. H.
CONVULSIONS CAUSED BY HIGH PRESSURE OXYGEN / OHP/
AND RELATIONSHIP TO PARALYSIS A65-14233
- ACUTE AND CHRONIC EFFECTS IN RAT EXPOSED TO
OXYGEN AT HIGH PRESSURE A65-80142
- KYLIN, B.
HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING
TRICHLOROETHYLENE AND TETRACHLOROETHYLENE
A65-82299
- KYLSTRA, J.
COMMERCIAL PILOT ABILITY TO DISCRIMINATE BETWEEN
LEVEL AND DESCENDING FLIGHT BY LOOKING AT TV
SCREEN SIMULATING VISUAL APPROACH AND LANDING
A65-26416
- BLOOD DISPLACEMENT UNDER G FORCES APPLIED
LONGITUDINALLY TO HUMAN BODY MEASURED, USING
ELECTRIC IMPEDANCE CHANGES IN LOWER EXTREMITIES
A65-26417
- INFORMATION VALUE OF VARIOUS PATTERNS OF LANDING
STRIP LIGHTS A65-81111
- KYLSTRA, J. A.
BREATHING OF PRESSURE OXYGENATED NORMAL SALINE IN
DOGS A65-80826
- L
- LABAN, M.
PULMONARY FUNCTION IN SITTING OR HORIZONTAL
POSITION DURING BED REST A65-82312
- LABAT, R.
ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP
/CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384
- LABIN, B. A.
CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718
- LACH, J.
SMALL DOSES OF ETHANOL AND EFFECT ON DISTANCE
PERCEPTION IN HUMANS A65-80405
- LACHANCE, P. A.
NUTRITION AND STRESSES OF SHORT TERM SPACE FLIGHT
N65-18575
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697 N65-21473
- BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY
N65-36106
- LACOURLY, G.
ENVIRONMENTAL AND FOOD CHAIN RADIOACTIVE
CONTAMINATION LEVEL DETERMINATION
EUR-2107.F N65-21181
- LADDS, J. E.
MILITARY PERSONNEL PROBLEMS AT ISOLATED EARLY
WARNING SYSTEM STATIONS AND REMOTE INSTALLATIONS
AD-615631 N65-33388
- LADNER, H.-A.
SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE
BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN
RAT AS COMPARED TO MOUSE A65-81888
- HISTAMINE DIHYDROCHLORIDE AND HISTAMINE
DIPHOSPHATE PROTECTIVE EFFECTS ON RAT AGAINST
WHOLE BODY IONIZING IRRADIATION
A65-81889
- LAFONTAINE, A.
IRRADIATED FOODS IDENTIFICATION - ELECTROPHORESIS,
OXIDATION-REDUCTION, POLAROGRAPHY, COLORIMETRY,
MICROSCOPY, MICROBIOLOGY, CHROMATOGRAPHY, AND
SPECTROPHOTOMETRY
EUR-2402.F N65-29855
- LAFONTAINE, E.
LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL A65-80115
- SICKNESSES AND PHYSICAL FITNESS OF AVIATION
PERSONNEL A65-81781
- ELECTROENCEPHALOGRAM IN AVIATION MEDICINE -
RECOGNITION OF EPILEPTIC WAVE PATTERNS
A65-81784
- VISION AND EFFECTS OF SUPERSONIC FLIGHT
ENVIRONMENT A65-81787
- UTILIZING ELECTROENCEPHALOGRAM IN AEROSPACE
MEDICINE A65-81788

- CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS AND PERSONALITY IN PERSONNEL SELECTION A65-81812
- THEORETICAL AND PRACTICAL PROBLEMS CORRELATING ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR SELECTING PERSONNEL A65-81813
- HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL SELECTION AND EXAMINATION A65-81821
- AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING AUDIOMETRY IN SELECTING FLYING PERSONNEL A65-81830
- LAGERWERFF, J. M.
SPACE CABIN ATMOSPHERE CONTAMINANTS EFFECT, PARTICULARLY OZONE, ON VISUAL PERCEPTION A65-35488
- LAHIRI, S.
BLOOD CHANGES, HEART FUNCTION AND PULMONARY RESPONSE TO ALTITUDE IN ACCLIMATIZED MEN A65-80974
- LAKE, R. E. W.
SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED CHARACTERISTICS
NAVTRADEVEN-1440-1 N65-31622
- LAKEY, N. R.
FORTRAN PROGRAM FOR INTRACELLULAR EVENT RECOGNITION A65-81756
- LAKHIN, P. V.
GRAPHIC RECORDING OF SECRETORY AND EXCRETORY PROCESSES USING PIEZOELECTRIC CRYSTAL RECORDING ELEMENT
JPRS-31269 N65-29182
- LAKHIN, Y. A.
SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA MELANOGASTER DURING FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS N65-24490
- LAKIE, W. L.
COMPETITIVE AND NONCOMPETITIVE PERFORMANCE IN RELATION TO ACHIEVEMENT MOTIVE AND MANIFEST ANXIETY A65-82176
- LAL, M.
HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT A65-81744
- LALLI, G.
ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE FORCE AND SHORT DURATION A65-81837
- LAMB, J.
RELATION OF REACTION TIME TO INFORMATION TRANSMISSION WITH UNEQUALLY LIKELY ALTERNATIVES A65-82340
- LAMB, L. E.
FOUR WEEKS BED REST EFFECT ON CIRCULATORY FUNCTIONS IN MAN A65-14236
- WEIGHTLESSNESS EFFECTS ON CIRCULATORY FUNCTIONS FOR VARIOUS ACTIVITY LEVELS DETERMINED FROM SPACE SIMULATOR, BED REST AND MANNED FLIGHT STUDIES A65-14528
- DECONDITIONING AND ACCLIMATIZATION SYNDROMES INDUCED BY PROLONGED HYPOXIA A65-18427
- INACTIVITY EFFECTS IN HUMANS DURING PROLONGED CHAIR REST CAUSING DECONDITIONING, RECORDING BLOOD PRESSURE AND HEART FUNCTION A65-32633
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- AEROSPACE MEDICINE - RELATION TO JOB REQUIREMENTS, SELECTION AND TRAINING OF ASTRONAUTS, AND SPACE FLIGHT STRESSES A65-80183
- HYPOXIA AS ANTI-PHYSICAL DECONDITIONING FACTOR FOR MANNED SPACE FLIGHT A65-80579
- BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL ENVIRONMENT A65-81771
- CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF LOWER BODY IN SUPINE POSITION TO NEGATIVE PRESSURE. A65-82253
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS BED REST AND PHYSICAL EXERCISE A65-82367
- PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM IN HEALTHY MALE HUMANS N65-18377
- LAMB, T. W.
CONTROLLED FREQUENCY BREATHING DURING MUSCULAR EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS TENSIONS A65-80672
- LAMBERT, G. E.
HEART RATE AND CENTRAL TEMPERATURE OF SUBJECTS PERFORMING PHYSICAL EXERCISE ALTERNATELY DURING DAY AND NIGHT IN DESERT ENVIRONMENT A65-80907
- HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT A65-80910
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS AND NATIVES A65-80959
- ELECTROENCEPHALOGRAM CHANGES AND AUDITORY AND VISUAL REACTION TIMES AFTER LIVING IN DESERT A65-80965
- LAMBERT, J.
EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC AND TELEVISION INSTRUMENT PACKAGE FOR TELEMETRY A65-16557
- LAMBREWA, E.
OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND CARBON DIOXIDE A65-81205
- LAMONTE, R. J.
PHYSIOLOGICAL DATA RECORDING OF MANNED SPACE FLIGHT PROGRAM BASED ON PROJECT MERCURY AND GEMINI MISSIONS A65-31105
- BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- LANDAUHL, H. D.
RELATION BETWEEN SPLEEN OXYGEN TENSION AND RADIATION PROTECTION IN MICE N65-19216
- POLAROGRAPHIC MEASUREMENTS ON OXYGEN TENSION IN SPLEEN AND VENA CAVA OF MICE INJECTED WITH SODIUM NITRATE TO STUDY RADIOPROTECTIVE ACTION
SAM-TR-65-13 N65-30506
- LANDSBERG, H. E.
CLIMATIC CONTROL OF OUTDOOR AND INDOOR ENVIRONMENTS FOR SURVIVAL, COMFORT, AND THERAPY A65-80503
- LANDYSHEV, A. N.
HUMAN BLACK BOX - DATA OBTAINED WITH EXTERNAL EXCITATION AND FROM HUMAN AS SOURCE, AND NATURAL BEHAVIOR IN ENGINEERING TERMS N65-31241
- LANE, F. D.
INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135 AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS FUNCTIONS OF CREW EXPERIENCE AND SELECTED MISSION SEGMENTS
AMRL-TR-65-18 N65-30156
- LANE, F. J.
EFFECT OF SUPINE EXERCISE ON LEFT VENTRICULAR

- VOLUME AND OXYGEN CONSUMPTION IN MAN
A65-82326
- LANE, H.
MOTOR THEORY OF SPEECH PERCEPTION REVIEWED
A65-81761
- LANG, E. F.
PULSE RATE EFFECT ON CONTRACTION PHASES OF HEART
IN MAN AT DIFFERENT AGES
A65-82212
- LANG, H.-J.
LUNAR RHYTHM ANALOGIES IN VARIOUS BIOLOGICAL
PROCESSES IN MAN AND INVERTEBRATES
A65-81890
- LANG, K. R.
LASER RADIATION EFFECT ON VERTEBRATE EMBRYOS
N65-16624
- LANG, R.
MONITORING TECHNIQUES FOR DETERMINING
PHYSIOLOGICAL EFFECTS OF PRESSURIZED SPACE SUITS
ON HUMAN PERFORMANCE
A65-10694
- THERMAL EQUILIBRIUM OF APOLLO MISSION
EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING
GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT
A65-23618
- LANGE, G.
ROLE OF CORNEO-CONJUNCTIVAL SENSITIVITY IN
AWARENESS OF EYE MOVEMENT DURING VESTIBULAR
NYSTAGMUS
A65-81506
- LANGE, K. O.
ANIMAL BEHAVIOR IN SIMULATED GRAVITATIONAL FIELDS,
INVESTIGATING RODENTS AND SMALL PRIMATES IN
CENTRIFUGES
A65-30049
- MECHANICAL IMPEDANCE MEASUREMENT OF HUMAN REACTION
TO RANDOM VIBRATION
AMRL-TR-64-91
N65-13999
- LANGE, P. W.
OXYGEN CONSUMPTION AND ENDOGENOUS RESPIRATION IN
CELLS FROM THE VESTIBULAR NUCLEUS IN RABBITS
A65-82070
- LANGHAM, W. H.
RADIATION SAFETY INFORMATION FOR USE IN
ESTABLISHING DESIGN CRITERIA FOR MANNED SPACE
SYSTEMS
A65-80633
- RADIATION HAZARD EVALUATION OF MANNED SPACE FLIGHT
N65-34581
- LANGLO, K.
ATMOSPHERIC OZONE CONCENTRATION STRESSING
SAFEGUARDS NECESSARY FOR PROTECTION OF PASSENGERS
AND CREW OF SUPERSONIC TRANSPORT
A65-23773
- LANSBERG, M. P.
CENTRIPETAL ACCELERATION EFFECT ON NYSTAGMUS FOR
VARIOUS ORIENTATIONS RELATIVE TO ROTATION CENTER,
NOTING OTOLITH MODULATION OF SENSORY INPUT FROM
SEMICIRCULAR CANALS
A65-24081
- ADDITIONAL LINEAR ACCELERATION EFFECT RELATIVE TO
SUBJECT ON NYSTAGMUS GENERATED BY ANGULAR
ACCELERATION
A65-26419
- ADDITIONAL EFFECT OF CENTRIPETAL ACCELERATION ON
NYSTAGMUS IN HUMANS ALREADY EXPOSED TO ANGULAR
ACCELERATION
A65-81068
- ACCELERATION STRESS OF PITCH AND EFFECT ON
NYSTAGMUS
A65-81114
- NYSTAGMUS GENERATED BY ANGULAR ACCELERATION
ALTERED BY CHANGING RESULTANT LINEAR
ACCELERATION
A65-81115
- PHONEMIC COMPLETION AND SOCIAL EVALUATION OF
HEARING LOSS
A65-81116
- EFFECT OF CHANGING RESULTANT LINEAR ACCELERATION
RELATIVE TO HUMAN SUBJECT ON NYSTAGMUS GENERATED
BY ANGULAR ACCELERATION
NASA-CR-59565
N65-11407
- LANZL, L. H.
RADIATION ACCIDENTS AND EMERGENCIES IN MEDICINE,
RESEARCH AND INDUSTRY
A65-81259
- LAOR, Y.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- LAPAEV, E.
PROBLEMS OF NOISE HAZARD DURING SPACE FLIGHT AND
IN JET PLANES
A65-81925
- LAPLANE, R.
ELECTROENCEPHALOGRAPHY IN AVIATION MEDICINE -
RECOGNITION OF EPILEPTIC WAVE PATTERNS
A65-81784
- UTILIZING ELECTROENCEPHALOGRAPHY IN AEROSPACE
MEDICINE
A65-81788
- CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS
AND PERSONALITY IN PERSONNEL SELECTION
A65-81812
- THEORETICAL AND PRACTICAL PROBLEMS CORRELATING
ELECTROENCEPHALOGRAPHY WITH PERSONALITY FOR
SELECTING PERSONNEL
A65-81813
- LAPLASSE, D.
ETHYL ALCOHOL EFFECT ON GLARE THRESHOLDS DURING
DARK ADAPTATION IN DRINKERS AND NONDRINKERS
A65-82089
- LAPPIN, J. S.
INHIBITION OF SIMPLE VISUAL REACTION TIME BY
SECOND STIMULUS - FAILURE TO REPLICATE RESULT
A65-80026
- RETINAL LOCATION OF INTERNAL PERCEPTUAL SYSTEM
NOISE AND REDUNDANCY IN SIMULTANEOUS INPUTS IN
FORM IDENTIFICATION
A65-81525
- LAPUC, P. S.
TIME IMAGERY, INTROVERSION, AND FANTASIED
PREOCCUPATION IN SIMULATED ISOLATION
A65-80576
- LARKS, S. D.
FETAL CARDIAC ELECTRICAL AXIS OF VENTRICULAR
ACTIVITY BASED ON ELECTROCARDIOGRAMS
A65-10736
- ELECTRICAL AXIS OF FETAL HEART
N65-16616
- LAROCHE, L. P.
HEAD INJURIES AND TREATMENT AT CAPE KENNEDY
MISSILE BASE
A65-82079
- LARSEN, J.
DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE
TO CARBON TETRACHLORIDE POISONING
A65-82303
- LARSEN, W.
X-RAY IRRADIATION EFFECTS ON INSECT EMBRYO -
COCKROACH, BLABERUS CRANIIFER
TID-21877
N65-36506
- LARSSON, B.
REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE
A65-80827
- LARTIGUE, O.
EFFECT OF S, 2,-AMINO-ETHYLISOTHIAURONIUM ON IMMUNE
MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA
CELLS
A65-80170
- LARUE, M. A., JR.
HELICOPTER VIBRATION EFFECT ON PILOT ACCURACY IN
POSITIONING TASK
A65-32984
- LASALA, E. F.
ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE

- EXPOSED TO LETHAL DOSES OF X-RADIATION A65-81033
- LASSEN, N. A.
INTRAPULMONARY EXCHANGE OF STABLE OXYGEN 18
ISOTOPE INJECTED INTRAVENOUSLY IN MAN A65-81892
- LATHROP, R. G.
COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY
NOISE A65-80573
- EXTRANEUS STIMULATION EFFECT ON VISUAL PERCEPTION
OF VERTICALITY - FAILURE TO REPLICATE A65-80855
- PRINCIPLES FOR DEVELOPMENT OF NEW MEASURES OF
HUMAN CONTINUOUS PERFORMANCE A65-81003
- LATTERELL, R.
SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- LAU, S. H.
HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- LAUBACH, G. E.
ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628
- LAUER, N. V.
AGE AS FACTOR IN ORGANISM REACTION TO HYPOXIA
N65-17757
- HEART DISTURBANCES IN YOUNG DOGS IN HYPOXIA
N65-17760
- MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774
- LAUGHLIN, P. R.
SELECTION STRATEGIES IN CONCEPT ATTAINMENT AS
FUNCTION OF NUMBER OF PERSONS AND STIMULUS DISPLAY
A65-82058
- LAURINGSON, A. I.
EYE MOVEMENTS DURING OBSERVATION OF MOVING OBJECT
A65-81196
- INFORMATION ON TYPES OF EYE MOVEMENT IN EYE
TRACKING SYSTEM STUDY N65-28096
- LAUSCHNER, E. A.
AVIATION MEDICINE IN GERMANY A65-27048
- PROBLEMS INHERENT IN PURPOSES OF INITIAL
CARDIOVASCULAR EXAMINATION OF AVIATION PERSONNEL
A65-81774
- LAVER, M. B.
OXYGEN BREATHING AND RESPIRATION DURING
HYPOTHERMIA A65-82002
- LAVERNHE, J.
LEUCOCYTES AND BLOOD EXAMINATION IN FLYING
PERSONNEL A65-80115
- MEDICOPHYSIOLOGICAL ASPECTS OF COMMERCIAL
SUPERSONIC FLIGHT A65-80123
- SICKNESSES AND PHYSICAL FITNESS OF AVIATION
PERSONNEL A65-81781
- HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION A65-81821
- LAVILLE, A.
MEASUREMENT OF MUSCLE OXYGEN CONSUMPTION DURING
STATIC INTERMITTENT AND DYNAMIC WORK BY OPEN
CIRCUIT METHOD A65-82314
- LAVNIKOV, A. A.
AVIATION MEDICINE MANUAL FOR PERSONNEL TRAINING
NASA-TT-F-8403 N65-33950
- LAWRENCE, J. L.
TRANSDERMAL HEARING SYSTEM USING MODULATED
ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND
PERCEPTION ER-0038 N65-20959
- LAWRENCE, M.
RESPIRATORY VARIATION, COCHLEAR MICROPHONIC, AND
ENDOLYMPHATIC DC POTENTIAL OF GUINEA PIG DURING
ANOXIA, OBSTRUCTION OF BLOOD SUPPLY TO STRIA
VASCULARIS, AND SOUND STIMULATION A65-82269
- LAWRENCE, M. J.
BOUNDS ON DISTRIBUTION WITH DECREASING FAILURE
RATE DERIVED MATHEMATICALLY AND APPLIED TO
SEMICONDUCTOR AND CANCER PROBLEMS - LIFE
SURVIVAL TEST
ORC-64-32/RR/ N65-24362
- LAWSON, J. S.
IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI
RELATED TO AGE A65-80864
- LAWSON, W. H., JR.
MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON
MONOXIDE AT REST AND DURING EXERCISE A65-80821
- TEMPERATURE EFFECT OF DEOXYGENATION RATE OF HUMAN
RED CELLS A65-81906
- LAYNE, R. S.
THEORETICAL BASES, ANALYTICAL RELATIONSHIPS AND
PROGRAMMING METHODS FOR DIGITAL COMPUTER MODEL OF
HUMAN BIOTHERMAL SYSTEM
AIAA PAPER 65-500 A65-29668
- VISUAL EVOKED RESPONSE IN RELATION TO BRAIN ALPHA
CYCLE AND CARDIAC AROUSAL CYCLE A65-80644
- LE CROISSETTE, D. H.
CONSTRAINTS ON LIFE DETECTION SYSTEM ON MARS
CONSIDERING DATA TRANSMISSION LIMITATION, LOW
SCIENTIFIC PAYLOAD, LANDING IMPACT AND
CONTAMINATION A65-10729
- BIOINSTRUMENTATION FOR PLANETARY LANDING SPACE
CAPSULE N65-16609
- LE ROY, G. V.
ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE
CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND
REAL PARTICULATE FALLOUT ACRH-102 N65-13845
- LEADERS, F. E.
ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO A65-14607
- LEBED, A. N.
TELE-ELECTROCARDIOGRAPH TEK-1 OPERATING ON
UNIVERSAL POWER SUPPLY N65-23447
- LEBEDEV, B. I.
NERVOUS SYSTEM DAMAGE CAUSED BY EXPOSURE TO HIGH
ENERGY PROTONS IN DOGS A65-82241
- LEBEDEV, V.
PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN
ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG
PARABOLIC CURVE A65-16618
- PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF STATE
OF WEIGHTLESSNESS IN MAN RELATED TO TRAINING
A65-80436
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR
STATE OF WEIGHTLESSNESS A65-80923
- HUMAN ISOLATION CHAMBER EXPERIMENTS WITH REDUCED
SENSORY STIMULATION JPRS-28929 N65-17304
- SELECTION OF COMPATIBLE CREW FOR INTERPLANETARY
SPACE FLIGHT - PSYCHOLOGY JPRS-29217 N65-19540

- LEBEDEV, V. I.
EMOTIONAL-VOLITIONAL REACTION OF RUSSIAN
COSMONAUTS DURING PARACHUTE JUMP TRAINING
A65-80045
- EFFECTS OF ACCELERATION STRESS AND WEIGHTLESSNESS
ON PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING
PARABOLIC FLIGHTS
A65-81197
- CAPACITY OF MAN TO PERFORM WORK DURING
WEIGHTLESSNESS OF SPACE FLIGHT
A65-81554
- EMOTIONAL FACTORS AND PHYSIOLOGICAL REACTIONS OF
ASTRONAUTS DURING PARACHUTE JUMP TRAINING
JPRS-27819
N65-12662
- EFFECTS OF ILLUSIONS OF ERROR, DREAMS, REFERENCE,
OVEREVALUATION, AND BEHAVIOR CONCEPTIONS AFTER
SOCIAL ISOLATION AND SENSORY DEPRIVATION -
PSYCHOPATHOLOGY
JPRS-30158
N65-24349
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT
N65-26918
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS
JPRS-30849
N65-27032
- EMOTIONAL-VOLITIONAL BEHAVIOR IN ASTRONAUT
PARACHUTISTS DURING TRAINING
FTD-TT-65-437/1
N65-29160
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED
WEIGHTLESSNESS
JPRS-31665
N65-31715
- LEBEDEV, V. N.
INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- LEBEDEVA, Z. N.
EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS
A65-80722
- LEBEDINSKII, A. V.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS
A65-29943
- EXPERIMENTAL EXPOSURE OF HUMAN SUBJECTS TO CLOSED
ENVIRONMENT SYSTEM FOR SIMULATION OF SPACE CAPSULE
CONDITIONS
A65-80930
- LEBEDINSKIY, A. L.
STRESS FACTORS FOUND IN 120 DAY SEALED CHAMBER
TESTS
JPRS-28490
N65-15355
- LEBEDINSKIY, A. V.
REACTION OF HUMAN PERFORMANCE TO COMPLEX
ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT
CABIN
NASA-TT-F-273
N65-11874
- COSMIC PHYSIOLOGY AND ORGANIZATION OF EXPERIMENTS
IN FLIGHT OF MAN INTO COSMOS
N65-13726
- SYSTEM OF ASTRONAUT SELECTION AND TRAINING USING
VISUAL, MOTOR, AND INTEROCEPTIVE ANALYZERS, AND
OTHER PHYSIOLOGICAL MEASUREMENTS
N65-13727
- OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOD MANNED SPACECRAFT
JPRS-29911
N65-23053
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429
N65-27715
- LEBEDINSKOGO, A. V.
TEXTBOOK ON RADIATION MEDICINE COVERING RADIATION
EXPOSURE, DAMAGE, AND TREATMENT
FTD-TT-64-1058/1&2
N65-25775
- LEBLANG, W. A.
PHYSIOLOGICAL RESPONSE TO STAPHYLOCOCCUS
ENTEROTOXIN - ANIMAL STUDY
N65-22747
- LECKART, B. T.
COMPLEXITY JUDGMENTS OF PHOTOGRAPHS RELATED TO
LOOKING TIME
A65-82330
- LECOCQ, F. R.
URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH
FAT DIETS, AND KETONE INFUSIONS
A65-80515
- PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58
N65-11422
- LEDENTSOV, I. K.
DEHYDROGENASE ACTIVITY OF TISSUES DURING EXPOSURE
TO IONIZING RADIATION AND LOCAL HYPOTHERMIA IN
ALBINO RATS
A65-82027
- CHANGES IN TISSUE VITAMIN CONTENT DURING EXPOSURE
TO IONIZING RADIATION AND HYPOTHERMIA IN RATS
A65-82028
- DEGREE OF ULTRAVIOLET ABSORPTION BY BLOOD SERUM
AFTER EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA IN ALBINO RATS
A65-82048
- PATHOLOGICAL CHANGES OF SKIN IN GUINEA PIGS AFTER
EXPOSURE TO IONIZING RADIATION AND LOCAL
HYPOTHERMIA
A65-82049
- LEDERBERG, J.
MARTIAN LIFE DEPENDS ON CHEMOGENY, BIOGENY,
COGNOGENY, SIMILARITY AND DISSIMILARITY TO EARTH
AND PHYSICAL AND CHEMICAL ENVIRONMENT
A65-28200
- EXTRATERRESTRIAL LIFE DETECTION INSTRUMENTATION -
MULTIVATOR
NASA-CR-51096
N65-16328
- LEE, D. Y.
PHYSICAL INSULATION OF HEALTHY
MEN AND WOMEN OVER 60 YEARS
A65-80275
- LEE, J. C.
EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND
FUNCTION IN DOGS
A65-81172
- METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE
DURING PROLONGED HYPOTHERMIA
AAL-TDR-64-4
N65-11890
- LEE, J. F.
ARCTIC SURVIVAL SHELTER HAVING HIGH THERMAL
PROTECTION - DESIGN AND MATERIAL TESTING RESULTS
N65-29757
- LEE, M. S.
SPECTRAL TRANSMITTANCE OF VISIBLE LIGHT BY LIVING
HUMAN EYE
A65-81412
- LEE, P. H.
PHYSICAL INSULATION OF HEALTHY
MEN AND WOMEN OVER 60 YEARS
A65-80275
- LEE, W.
RECEIVER-OPERATING-CHARACTERISTIC CURVES FOR
RECOGNITION OF VISUAL PATTERNS
A65-80614
- LEE, W. L., JR.
ASTRONAUT PROTECTION AND PERFORMANCE DURING
EXTRAVEHICULAR OPERATIONS IN SPACE ENVIRONMENT
A65-10733
- HUMAN PROTECTION AND PERFORMANCE IN EXTRAVEHICULAR
SPACE OPERATIONS
N65-16613
- LEE, W. R.
CALCIUM ACCRETION AND BONE FORMATION IN DOGS
N65-18088
- LEE, Y. J.
THERMOLUMINESCENT DOSIMETRY USED TO MEASURE
TOTAL BODY IRRADIATION
N65-25665

- LEE BEEK, H. J.
PHASE SHIFT EFFECT ON PERCEPTION OF ALTERNATING
COLORED STIMULI A65-80769
- LEEUWE, H.
AIR EMBOLISM IN MICE AFTER EXPLOSIVE DECOMPRESSION
AND POSSIBLE PREVENTION A65-81078
- LEGGE, D.
ANALYSIS OF VISUAL AND PROPRIOCEPTIVE COMPONENTS
OF MOTOR SKILL USING NITROUS OXIDE A65-82112
- LEHMAN, A.
DIURNAL AND SEASONAL METABOLIC CHANGES IN
ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS
LIVING IN HOT CLIMATE A65-80960
- LEHMANN, D.
MUSCLE TONUS IN HUMAN DURING SLEEP AND DREAMING
RELATED TO EYE MOVEMENT RECORDED ON
ELECTROENCEPHALOGRAM A65-80157
- LEHNERT, G.
CONTINUOUS RECORDING OF HEART RATE BY MEANS OF
PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH
A65-80008
- LEHR, D. J.
TROUBLESHOOTING INFORMATION PRESENTATION
TECHNIQUES USING PAPER AND PENCIL TEST TO SIMULATE
EQUIPMENT CHARACTERISTICS A65-18290
- LEHWESS-LITZMANN, I.
CONTACT LENS WEAR IN PILOTS - COMPARISON OF
PLASTIC CORNEAL LENS WITH NEW GEL-LENS UNDER
SIMULATED ALTITUDE A65-80153
- LEIBBRANDT, C. C.
SIGNIFICANCE OF OLIVO-COCHLEAR BUNDLE FOR
ADAPTATION MECHANISM OF INNER EAR A65-82131
- LEIBOWITZ, H. W.
CONTOUR EFFECT ON SIMULTANEOUS BRIGHTNESS CONTRAST
A65-80853
- LEITCH, J. L.
TOTAL DRUG DOSAGE AND EXPOSURE TIME RATE EFFECTS
IN X-RAY PROTECTION STUDY
UCLA-12-547 N65-21538
- CHEMICAL COMPOUNDS FOR PROTECTION FROM LETHAL
EFFECTS OF IONIZING RADIATION - HEALTH PHYSICS
UCLA-12-551 N65-21823
- PROTECTION AGAINST X- AND GAMMA RADIATION IN
MICE PRETREATED WITH 2-AMINOETHYLISOTHIOURONIUM
BROMIDE HYDROBROMIDE PLUS 5-HYDROXYTRYPTAMINE
CREATININE SULFATE AND IN NONTREATED MICE
UCLA-12-552 N65-21824
- LEITHEAD, C. S.
PHYSIOLOGICAL DISORDERS CAUSED BY HEAT A65-80636
- HEAT CRAMPS IN BRITISH GUIANA SUBJECTS DURING
PHYSICAL WORK AS RELATED TO SWEATING AND DRINKING
WATER OF LOW SALT CONTENT A65-80955
- LEMAIRE, R. R.
HEAT TRANSFER IN MEN ADAPTED TO LIVING IN DESERT
A65-80908
- LEMKE, M.
PROTON TUNNELING AND OTHER MECHANISMS OF
MUTATION N65-10114
- LEMMON, R. M.
POSSIBLE ROLE OF DICYANDIAMIDE /CYANOGLANIDINE/ IN
PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION
A65-80763
- LEMPERT, P.
PHYSICAL EXERCISE EFFECT ON INTRAOCULAR TENSION AS
RELATED TO OPEN ANGLE GLAUCOMA A65-80385
- LENHARDT, H. F.
EVALUATION AND PREDICTION OF PHYSICAL FITNESS
- IN MEN OF DIFFERENT AGES USING MODIFIED
APPARATUS OF HARVARD STEP TEST A65-80209
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY
PERSONNEL - HEART RATE CURVES DURING EXERCISE,
RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS
NSAM-890 N65-24810
- LENT, H. B.
JOB OPPORTUNITIES AND OCCUPATIONS IN NASA SPACE
PROGRAM A65-81390
- LENTATI, R.
HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945
- LENTZ, E. C.
HUMAN FACTORS IN CAUSE UNDETERMINED AIRCRAFT
ACCIDENTS, CONSIDERING MAN-MACHINE COMPLEX
A65-19841
- HUMAN FACTORS IN CAUSE-UNDETERMINED AIRCRAFT
ACCIDENTS AND MEASURES FOR IMPROVING FLIGHT SAFETY
A65-80726
- LEON, H. A.
LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477
- LEON, H. V.
COGNITIVE AND PERCEPTUAL DISTURBANCES IN
SHORT-TERM SENSORY DEPRIVATION AS FUNCTION OF
DIFFERENTIAL EXPECTANCY LEVELS A65-81665
- LEONARD, J.
COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
NASA-CR-174 N65-18501
- LEONARD, J. A.
DISPLAY-CONTROL RELATIONSHIP, ABILITY TO SEE WHAT
ONE IS DOING AND PHASE OF TRAINING INTERACTIONS
IN SENSORIMOTOR TASK A65-80337
- LEONDES, C. T.
LUNAR MISSIONS AND EXPLORATION - TECHNICAL AND
ENVIRONMENTAL ASPECTS A65-80529
- LEONG, H. C.
OXYGEN DELIVERY RATE OF HUMAN BLOOD
SAM-TR-64-89 N65-24592
- LEONIS, J.
PREPARATION OF LABELLED PROTEINS AND PEPTIDES
EUR-1845-F N65-36377
- LEONOV, A. A.
FIRST WALK IN SPACE FROM VOSKHOD II DESCRIBED BY
LEONOV, NOTING IMPORTANCE OF SIMULATED TRAINING
A65-35253
- LEPESCHKIN, E.
EFFECT OF BODY BUILD ON QRS VOLTAGE OF
ELECTROCARDIOGRAM IN NORMAL MEN AND SIGNIFICANCE
IN DIAGNOSIS OF LEFT VENTRICULAR HYPERTROPHY
A65-80632
- LEPKOVSKY, S.
SENSORY STIMULATION AS RELATED TO NUTRITION AND
FOOD - APPETITE FACTOR N65-18584
- LESHCHINSKAYA, YA. S.
COMPENSATION MECHANISMS IN CHRONIC OXYGEN
DEFICIENCY IN BLOOD CIRCULATORY SYSTEM
N65-17791
- LESSLER, M. A.
METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY
SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR
HELIUM-OXYGEN ATMOSPHERE A65-22902
- LESSLER, R. M.
GAMMA DOSE RATES AND INTEGRATED DOSES ABOVE SOIL
RESULTING FROM NEUTRON ACTIVATION OF SOIL BY
NUCLEAR EXPLOSION
UCRL-12339, VOL. I N65-22984

- LESTER, J. T., JR.
FIELD BEHAVIOR AND PRE-EXPEDITION PERSONALITY
ASSESSMENT RESULTS, CRITERION VARIABLES, AND
ASSESSMENT CORRELATES OF 1963 AMERICAN MOUNT
EVEREST EXPEDITION
TR-1
N65-25905
- LETKO, W.
HUMAN TOLERANCE TO PHYSIOLOGICAL EFFECTS OF HEAD
MOTIONS IN ROTATING ENVIRONMENT
A65-24447
- LETTVIN, J. Y.
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON
A65-14831
- LIGHT MOTION PROCEDURE FOR VIEWING RETINAL CONES
NASA-CR-58190
N65-33714
- LEUSHINA, L. I.
ESTIMATION OF LIGHT STIMULATOR POSITION RELATED TO
EYE MOVEMENT
A65-81195
- EVALUATION OF LIGHT STIMULATOR POSITION AND
MOVEMENTS OF EYES USING HUMAN SUBJECTS
N65-28095
- LEVASHEV, L. V.
PERSONAL HYGIENE OF ASTRONAUT - FUNCTION OF HUMAN
SKIN AND ITS INFLUENCE ON VITAL PROCESSES
N65-15173
- LEVASHOV, M. M.
RELATIONSHIP BETWEEN QUICK COMPONENT OF NYSTAGMUS
AND VESTIBULAR APPARATUS FUNCTION
A65-80601
- RELATIONSHIP BETWEEN NYSTAGMUS QUICK COMPONENT AND
VESTIBULAR APPARATUS IN RABBITS
A65-80982
- RATE OF NYSTAGMIC FAST COMPONENT PRODUCED BY
RHYTHMIC ELECTRICAL STIMULATION OF AMPULLAR
RECEPTOR
N65-20140
- SLOW AND RAPID EYE MOVEMENTS IN RABBITS DUE TO
VESTIBULAR STIMULATION DURING ROTATION
JPRS-29571
N65-21363
- LEVCHENKO, M. N.
OBSTRUCTION IN BLOOD CIRCULATION OF HEART TISSUE
IN HYPERTENSION OF ARTERY
N65-17787
- LEVEILLE, G. A.
ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT
N65-18594
- LEVELT, W. J. M.
BINOCULAR BRIGHTNESS AVERAGING AND CONTOUR
INFORMATION
A65-80861
- LEVENGOD, W. C.
SOLAR AND COSMIC RAY EFFECTS ON PROGENY YIELDS IN
FRUIT FLY DROSOPHILA MELANOGASTER SUBJECTED TO
MAGNETIC ENVIRONMENT
A65-17351
- LEVERETT, S. D., JR.
PROLONGED BED REST EFFECT ON TOLERANCE OF
TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART
BEATS AND VISION
A65-16555
- TOLERANCE TO TRANSVERSE AND HEADWARD
ACCELERATION AFTER PROLONGED BED REST
A65-80379
- LEVIN, G. V.
RESULTS FROM FIELD TESTS OF GULLIVER AND
DIOGENES EXPERIMENTS FOR DETECTING LIFE IN SEVERE
NATURAL ENVIRONMENTS
A65-30681
- SIGNIFICANCE AND STATUS OF EXOBIOLOGY /STUDY OF
EXTRATERRESTRIAL LIFE/ IN RELATION TO ORIGIN OF
LIFE
A65-80508
- RADIOISOTOPIC BIOCHEMICAL PROBE FOR
EXTRATERRESTRIAL LIFE
NASA-CR-55529
N65-16276
- RADIOISOTOPIC BIOCHEMICAL PROBE OF MICROORGANISMS
FOR EXTRATERRESTRIAL LIFE
NASA-CR-55535
N65-16478
- PHOTOSYNTHESIS OF ALGAE USING CARBON 14 DETECTION
OF FIXATION AND CARBON DIOXIDE EVOLUTION, MEDIUM
DEVELOPMENT, AND TESTS OF SOIL AND SOIL ISOLATES
NASA-CR-60709
N65-16815
- LEVIN, YU. M.
SELECTED ARTICLES ON EXPERIMENTAL BIOLOGY AND
MEDICINE
JPRS-29980
N65-24227
- LEVINA, R. I.
INTERRELATIONSHIPS OF VARIOUS SPECIES OF
PROTOCOCCAL ALGAE AND THEIR BACTERICIDAL EFFECT IN
JOINT CULTIVATION
A65-80689
- LEVINE, L.
LACTIC DEHYDROGENASES AND PROTEIN IMMUNOCHEMICALS
IN VERTEBRATE EVOLUTION - IRRADIATION OF NUCLEIC
ACIDS
NASA-CR-63246
N65-25590
- QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR
DETECTION OF SMALL DIFFERENCES IN PROTEIN
STRUCTURE
NASA-CR-58660
N65-29652
- LEVINE, M.
EFFECTS OF DEGREE OF LEARNING AND DEGREE OF
SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF
TRAINING
AMRL-TR-64-96
N65-14000
- TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL
DELAY AND LEARNING - HUMAN PERFORMANCE
AMRL-TR-64-104
N65-19149
- LEVINSKAS, G. J.
ECON COMPOUNDS TOXIC EFFECTS ON PLANTS, ANIMALS
AND HUMAN BEINGS
A65-26163
- LEVINSKIY, S. V.
EXPERIMENTAL EXPOSURE OF HUMAN SUBJECTS TO CLOSED
ENVIRONMENT SYSTEM FOR SIMULATION OF SPACE CAPSULE
CONDITIONS
A65-80930
- REACTION OF HUMAN PERFORMANCE TO COMPLEX
ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT
CABIN
NASA-TT-F-273
N65-11874
- LEVINSON, H. S.
RADIATION DOSE MEASUREMENTS AND SCREENING FOR
RADIATION PROTECTIVE COMPOUNDS OF LIVING CELLS -
BIODOSIMETRY
N65-22288
- LEVINSON, J.
NONLINEAR AND SPATIAL EFFECTS IN PERCEPTION OF
FLICKER
A65-80768
- LEVINTHAL, E. C.
LIFE-DETECTION INSTRUMENTATION DEVELOPMENTS IN
CARRYING OUT BIOLOGICAL EXPLORATION ON MARS
A65-81927
- EXTRATERRESTRIAL LIFE DETECTION INSTRUMENTATION -
MULTIVATOR
NASA-CR-51096
N65-16328
- LEVORA, N. W.
GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE
SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL
AGAINST TOXICITY OF PROPELLANTS
A65-11400
- LEVY, A. M.
ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY
OBSTRUCTION DURING REST AND EXERCISE
A65-81607
- LEVY, M. N.
CAROTID SINUS BARORECEPTOR REFLEX EFFECTS UPON
MYOCARDIAL CONTRACTILITY
A65-80391
- LEWALSKI, B.
PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH
TEMPERATURES IN MAN
A65-80848

- EFFECT OF HIGH TEMPERATURE ON UROPEPSIN CONTENT IN MAN A65-80849
- LEWINSKA, M. K.
EFFECT OF SHORT-TERM AND LONG-TERM FOOD DEPRIVATION ON BLOOD SUGAR LEVEL, FOOD INTAKE AND CONDITIONING IN RABBITS WITH MEDIAL HYPOTHALAMIC LESIONS A65-80653
- LEWIS, B. I.
MECHANISM AND MANAGEMENT OF HYPERVENTILATION SYNDROMES A65-80408
- LEWIS, B. M.
MOON SUIT DESCRIBING COOLING SYSTEM, MATERIAL AND LIFE SUPPORT BACKPACK A65-15100
- LEWIS, C. M.
HYPOTHERMIC REDUCTION OF AMMONIA RELEASE INTO CIRCULATION BY KIDNEY OF FASTING DOG SUBSEQUENTLY TESTED WITH PROTEIN A65-80177
- LEWIS, E. R.
INTERNEURONAL TRANSFER FUNCTIONS AND FUNCTIONAL RESPONSE CHARACTERISTICS OF BIOLOGICAL NERVE CELLS SAR-7 N65-32793
- LEWIS, H. B.
GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF THINKING RATHER THAN DREAMING REPORTS A65-82046
- DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM RAPID EYE MOVEMENT SLEEP A65-82223
- LEWIS, H. E.
INFLUENCE OF SEASONAL VARIATION, DIET, AND PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN ANTARCTICA A65-81308
- LEWIS, O. F.
PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES BEFORE, DURING, AND AFTER RAPID DECOMPRESSION TO NEAR VACUUM - AEROSPACE MEDICINE N65-36770
- LEWIS, Y. Z.
BACTERIOLOGICAL MEASUREMENTS IN TWO-MAN SPACECRAFT CABIN SIMULATOR N65-14455
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES FROM HEAT EXCHANGES OF PRESSURIZED SUITS SAM-TDR-64-66 N65-16299
- LHERMITE, P.
ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE A65-80122
- LI, H.-H.
STEROID INDUCED OVULATION IN FISH - ANIMAL STUDY N65-20588
- LI, Y. T.
MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE VEHICLES COVERING GENERAL CONTROL PATTERNS AND CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND LIMITS A65-34986
- HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL THEORY TECHNIQUES - HUMAN ENGINEERING NASA-CR-57292 N65-19689
- LI, Y.-S.
WETTING AND NONWETTING SURFACES TO CONTROL WATER AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE COLLECTION, DISTILLATION AND MANAGEMENT OF WATER AND OXYGEN SUPPLIES A65-28630
- LIAGRE, G.
PSYCHIATRIC SELECTION OF FLYING PERSONNEL A65-81369
- LIAPIDEVSKII, V. K.
SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS DETERMINED, USING ADDITION CURVES FOR NORMAL TRICHROMATES A65-30076
- LIBBER, L. M.
LIFE SUPPORT SYSTEM RESEARCH FOR PHYSIOLOGICAL STRESSES ENCOUNTERED BY NAVY AND MARINE PERSONNEL A65-11787
- LIBERMAN, V. B.
EFFECT OF PROPRIOCEPTIVE STIMULATION ON HUMAN MUSCLE ACTION BASED ON ELECTROMYOGRAPHIC STUDIES A65-81878
- LIBOIS, J.
NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENCEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT A65-82139
- LICHT, S.
MEDICAL CLIMATOLOGY - ASPECTS OF PHYSIOLOGY, NUTRITION AND BIOLOGY A65-80548
- LICHTENSTEIN, M.
ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL POTENTIALS IN MAN AS INDICATORS OF ACTIVATION LEVEL A65-80260
- LICHTENSTEIN, S.
BASES FOR PREFERENCES AMONG THREE-OUTCOME BETS A65-80792
- LICHTHEIM, L.
ANIMAL STUDIES ON EDEMA IN RELATION TO KIDNEY DISEASE NASA-TT-F-9247 N65-16304
- LICHTNECKERT, S. J. A.
DISTRIBUTION OF INSPIRED AIR DURING VENTILATION WITHOUT RESPIRATORY MOVEMENTS A65-82169
- LIDDLE, H. V.
PULMONARY VASCULAR CHANGES IN DOGS PLACED IN ATMOSPHERIC CONTROL CHAMBER WITH TEN PERCENT OXYGEN A65-80181
- LIDEN, G.
STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION AGAINST NOISE INJURY AND IN UNDERSTANDING OF SPEECH A65-80010
- LIE, I.
TEST OBJECT SIZE AND EXPOSURE TIME AS RELATED TO TRAINING OF PERIPHERAL VISUAL ACUITY A65-80997
- CONVERGENCE AS CUE TO PERCEIVED SIZE AND DISTANCE A65-81882
- LIGGETT, M. S.
CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL A65-82250
- LILEY, B.
RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL METHODS OF COMPUTING PRIMARY IONIZATION DOSES - RADIATION DOSE CALCULATIONS N65-34633
- LILICRAP, S. C.
DETERMINATION OF ENERGY ABSORBED IN WATER FROM RELATIVISTIC COSMIC RAY PARTICLES USING CERENKOV EFFECT A65-80758
- LIMANSKIY, YU. P.
BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT N65-13661
- LINCOLN, R. S.
HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI SPACECRAFT DURING TERMINATION OF RENDEZVOUS MISSION LMSC-6-62-64-13 N65-11016
- AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO DEVELOP DIGITAL TECHNIQUES FOR PROCESSING, DISPLAYING, AND ANALYZING DATA LMSC-6-65-65-15 N65-24710
- RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT -

- LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN PERFORMANCE
LMSC-6-62-64-19 N65-31557
- LIND, A. R.
PHYSIOLOGICAL RESPONSES FACILITATING HEAT ACCLIMATIZATION A65-80490
ASSESSMENT, MANAGEMENT AND CONTROL OF HEAT STRESS A65-80635
- LINDAN, O.
PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY.
I. EVALUATION IN LYING AND SITTING POSITIONS USING BED OF SPRINGS AND NAILS A65-81310
- LINDBERG, R. G.
ANIMAL TEMPERATURE SENSING FOR STUDYING EFFECT OF PROLONGED ORBITAL FLIGHT ON CIRCADIAN RHYTHMS OF POCKET MICE A65-19519
PEROGNATHUS INVESTIGATED AS EXPERIMENTAL ORGANISM FOR SPACE BIOLOGY RESEARCH
NASA-CR-59706 N65-12413
RADIATION RESISTANCE IN POCKET MICE AND SURVIVAL AFTER COBALT 60 RADIATION
NASA-CR-60319 N65-15378
BIOLOGICAL RHYTHMS IN POCKET MICE
NASA-CR-50597 N65-16436
INVESTIGATION OF PEROGNATHUS AS EXPERIMENTAL ORGANISM FOR RESEARCH IN SPACE BIOLOGY - REPRODUCTIVE CYCLES, BREEDING AND REARING IN CAPTIVITY
NASA-CR-62556 N65-23002
REPRODUCTION OF MICE IN CONFINEMENT
NASA-CR-64315 N65-30847
- LINDE, L. M.
PULMONARY CIRCULATION AND HEART FUNCTION IN RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES
A65-82301
- LINDENBRATEN, V. D.
ELEVATION OF THERMOSTABILITY THRESHOLD BY VARIOUS FACTORS IN ALBINO MICE A65-80796
- LINDNER, W.
LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521
- LINDQUIST, J.
SPEECH PRODUCTION, TRANSMISSION, AND ANALYSIS - INSTRUMENTATION, NASAL CAVITY STRUCTURES, ACOUSTICS, SPEECH SPECTRUM, DEAFNESS AIDS, AND BIBLIOGRAPHY ON SPEECH RECODING FOR DEAFNESS
STL-QPSR-4/1964 N65-23850
- LINDSAY, I. R.
EFFECT ON MONKEYS IRRADIATED WITH 2 ME V X-RAYS
SAM-TR-65-9 N65-30887
MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME LEVELS OF WHOLE BODY IRRADIATED PRIMATES
SAM-TR-65-22 N65-33679
- LINDSEY, J. F.
TIME-LINE MEDICAL DATA COMPUTER PROGRAM FOR MANNED SPACE FLIGHTS
NASA-TN-D-2695 N65-33350
- LINDSLEY, D. B.
SELECTIVE SHORT TERM ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN HUMAN BEINGS TO ALTERNATE FLASHING LIGHT AND AUDITORY CLICKS
A65-22675
SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI
A65-80870
- LING, K.
THERMAL RADIATION OF SKIN AS FUNCTION OF PERIPHERAL CIRCULATION AND COOLING IN MAN
A65-80007
- LINGENS, F.
BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES, ALGAE, AND YEAST A65-80878
- LINK, M. M.
MEDICAL ASPECTS OF PROJECT MERCURY INCLUDING ASTRONAUT SELECTION AND TRAINING, RESULTS OF LABORATORY TESTS AND PHYSIOLOGICAL DATA, AND BIOMEDICAL PLANNING FOR SPACE FLIGHTS
NASA-SP-4003 N65-32394
- LINKENBACH, H.-J.
FLUID METABOLISM AND CIRCULATION DURING AND AFTER WEIGHTLESSNESS A65-26744
- LINKOVA, E.
SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN SOURCES, OBSERVING GROWTH A65-32567
- LINKSZ, A.
COLOR VISION- FUNCTIONAL INTERPRETATION OF COLOR PERCEPTION, CLINICAL DIAGNOSTIC TESTS, GENETICS, AND INDUSTRIAL APPLICATIONS
A65-80269
- LINN, T. A., JR.
PROCEDURES, DEVICES, AND EQUIPMENT FOR HAZARD CONTROL - INDUSTRIAL SAFETY AND HYGIENE
SC-RR-64-562 N65-16668
- LIPETZ, L. E.
INFORMATION PROCESSING PROPERTIES OF RETINA IN FROG
AMRL-TR-65-24 N65-32303
- LIPKIN, L. E.
HUMAN-AIDED COMPUTER LINGUISTIC METHOD FOR ANALYSIS OF MORPHOLOGICAL DATA N65-28760
- LIPMAN, R.
RESTRAINT AND EFFECT ON FREE FATTY ACID MOBILIZATION IN RATS A65-81183
- LIPMANN, F.
PROJECTING BACKWARD FROM THE PRESENT STAGE OF EVOLUTION OF BIOSYNTHESIS - INFORMATION TRANSFER WITHOUT NUCLEIC ACIDS A65-80479
- LIPPERT, J.
STRONTIUM 90 RADIOACTIVE FALLOUT MEASUREMENT IN PRECIPITATION, SOIL, SEA WATER, VEGETATION, ANIMALS, AND DRINKING WATER IN GREENLAND
RISO-87 N65-18474
- LIPPINCOTT, E. R.
COMPLEX CHEMICAL SPECIES AND THERMODYNAMIC EQUILIBRIA IN PREBIOLOGICAL ATMOSPHERES
A65-30593
- LIPPITT, M. W., JR.
LONG-TERM ELECTROCARDIOGRAPH AND IMPEDANCE PNEUMOGRAPH ELECTRODE SYSTEM COMPOSED OF SILVER, SILVER CHLORIDE AND NONIRRITATING PASTE
A65-21947
- LIPSCOMB, H. S.
BEDREST AND ISOMETRIC EXERCISES EFFECT ON CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROIDS
A65-26168
PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294
BED REST EFFECT ON PLASMA LEVELS AND URINARY EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- LIPTON, J. M.
INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM BICARBONATE IN RAT AS AFFECTED BY WATER DEPRIVATION AND THERMAL STRESS
A65-81000
- LISKE, E.
VISUAL OBSERVATION OF H-RESPONSE IN

- ELECTROENCEPHALOGRAMS OF AIRCREW PERSONNEL
EXPOSED TO PHOTIC STIMULATION AS RELATED TO
MIGRAINE A65-81974
- LISKOWITZ, J. W.
OPTICAL ACTIVITY IN UV REGION OF SPECTRUM
DEVELOPED, USING OPTICAL ROTATION TO DETECT
EXTRATERRESTRIAL LIFE A65-30678
- LISOVSKAYA, N. P.
DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153
- LISSAK, K.
EFFECT OF CERVICAL SYMPATHECTOMY IN RATS ON
POSTERIOR PITUITARY OXYTOXIC ACTIVITY CHANGES
EVOKED BY PHYSICAL EXHAUSTION A65-81923
- LISSNER, H. R.
INTRODUCTION TO BIOMECHANICS OF BODY BEHAVIOR
A65-81032
- LISTER, B. A. J.
HEALTH ASPECTS OF PLUTONIUM HANDLING - RADIATION
HAZARDS, CONTROL, CONTAINMENT, MONITORING, AND
EMERGENCY PROCEDURES
AERE-L-151 N65-25164
- LISTER, J. W.
HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- LITCHFIELD, J. H.
CONTINUOUS CULTURE APPARATUS FOR BACTERIUM,
HYDROGENOMONAS EUTROPHA, AS FOOD AND UTILIZATION
OF HYDROGEN PRODUCED BY ELECTROLYSIS OF
WATER IN CLOSED-CYCLE SPACE SYSTEM A65-80099
- LITTLER, T. S.
PHYSICS OF EAR AND HEARING A65-81164
- LIU, H. F.
MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431
- LIU, W.-Y.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374
- LIUBIMOV, N. N.
POTENTIAL RESPONSE IN VARIOUS CORTICAL STRUCTURES
DURING FORMATION OF FOOD CONDITIONED REFLEXES TO
ACOUSTIC AND PHOTIC STIMULI IN DOGS A65-82226
- LIUZZO, J. A.
LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION
OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORO-626 N65-22081
- LIVSHITS, N. N.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425 N65-27711
- SPACE PHYSIOLOGY - COMBINED EFFECT OF IONIZING
RADIATION, RADIAL ACCELERATION, VERTICAL
VIBRATION, AND PROLONGED ACCELERATION ON
PHYSIOLOGICAL RESPONSE IN ANIMALS
NASA-TT-F-354 N65-31375
- MECHANISM OF MAMMALIAN ORGANISM RESPONSE TO
COMBINED EFFECTS OF IONIZING RADIATION AND
NONRADIATION FACTORS N65-31376
- LJUNG, B.
SUPRASPINAL CONTROL OF INTESTINO - INTESTINAL
INHIBITORY REFLEX IN CATS A65-82065
- LLERENA, L. A.
CARBOHYDRATE METABOLISM IN PEOPLE LIVING IN
CHRONIC HYPOXIC STATE A65-80995
- LLOYD, A. J.
ACCURACY OF ACTIVE AND POSITIVE POSITIONING OF LEG
ON BASIS OF KINESTHETIC CUES A65-81992
- LLOYD, B. B.
RESPIRATORY RESPONSE OF MAN TO HYPOXIA A65-80357
- EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION A65-82074
- LLOYD, K. E.
INDIVIDUAL MEMORY STORAGE LOADS AND INDIVIDUAL
MEMORY LOAD REDUCTION A65-81952
- LLOYD, T. C., JR.
ALVEOLAR HYPOXIA EFFECT ON PULMONARY VASCULAR
RESISTANCE OF DOG A65-80057
- LO, S.-M.
CHANGE IN NUMBER OF CELLS IN BLOOD AT HIGH
ALTITUDES N65-17828
- LOBASHEV, M. YE.
ANIMAL AND PLANT GENETICS - INDUCED MUTATION
PROCESSES
JPBS-31514 N65-31536
- LOCKER, A.
CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE
A65-80325
- LOCKHART, A.
DEVELOPMENT OF ISOMETRIC STRENGTH AT DIFFERENT
ANGLES WITHIN RANGE OF MOTION A65-81568
- LOEB, C.
FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072
- VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222
- LOEB, M.
VIGILANCE FOR AUDITORY INTENSITY CHANGES AS
FUNCTION OF PRELIMINARY FEEDBACK AND CONFIDENCE
LEVEL A65-30099
- RELATIONSHIPS FOR TEMPORARY THRESHOLD SHIFTS
PRODUCED BY THREE DIFFERENT NOISE SOURCES
A65-81417
- AUDITORY VIGILANCE PERFORMANCE INFLUENCED BY
D-AMPHETAMINE, BENACTYZINE, AND CHLORPROMAZINE
A65-81754
- LOGAN, G. A.
DEVELOPMENT OF ISOMETRIC STRENGTH AT DIFFERENT
ANGLES WITHIN RANGE OF MOTION A65-81568
- DEVICE FOR MEASURING SIMULTANEOUS FLEXION STRENGTH
OF BOTH WRISTS A65-82335
- LOGAN, O.
TESTS OF FUNCTION OF PROPRIOCEPTION - INTERACTION
BETWEEN PROPRIOCEPTION AND VISION A65-81002
- LOGSDON, D. F., JR.
RAPID DEPRESSION OF DNA SYNTHESIS IN RAT SPLEEN
AND BONE MARROW AFTER TOTAL BODY IRRADIATION -
VITRO ASSAY SYSTEM
SAM-TR-65-14 N65-26240
- EFFECT OF AMINOETHYLISOTHIURONIUM BROMIDE
HYDROBROMIDE ANTIRADIATION DRUG ON GLUCOSE
OXIDATION BY RAT SPLEEN AND BONE MARROW
SUSPENSIONS

PERSONAL AUTHOR INDEX

LOVINGER, D.

- SAM-TR-65-29
N65-34260
- LOGVINOVA, O. F.
INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE
A65-30077
- LOMBARD, C. F.
FLUID FILLED LIMIT STRETCH DEVICE DESIGN FOR
PROTECTION AGAINST IMPACT ACCELERATION
A65-11399
- HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED
N65-19677
- LOMONACO, T.
AGOSTINO GEMELLI, PIONEER OF AEROSPACE MEDICAL
STUDIES IN ITALY
A65-80924
- RESEARCH AND FACILITIES AT AEROSPACE MEDICAL
CENTER OF ROME, ITALY
A65-81836
- LOMOV, B. F.
ANNOTATED BIBLIOGRAPHY ON PROBLEMS IN ENGINEERING
PSYCHOLOGY
NASA-TT-F-312
N65-24370
- LOMOVA, M. A.
ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642
- LONG, B. H.
DOGMATISM AS DEFENSE MECHANISM INTERFERING WITH
PROCESSING OF PREDECISIONAL INFORMATION
A65-82294
- LONG, C.
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR
RECORDING BIOELECTRICAL DATA, FORCE AND
DISPLACEMENT
A65-10546
- LONG, C. J.
INHIBITION OF OPERATING ABILITY BY TRAINING ON
RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL
DEVICE - INHIBITION TEST USING DESK CALCULATORS
TR-11
N65-16700
- LONG, E. C.
PHYSIOLOGICAL AND PHYSICAL ANALYSIS OF RESPIRATORY
SYSTEM BY ANALOG COMPUTER
AD-606521
N65-12246
- LONG, E. R., JR.
REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044
N65-35517
- LONGWELL, B. B.
BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND
SERUM DETERMINATIONS OF UREA NITROGEN, URIC
ACID, AND CREATININE
LF-22
N65-25292
- LOOMIS, J. P.
PREDICTIVE INFORMATION INSTRUMENTATION AS AID TO
JET AIRCRAFT TAKEOFFS
A65-15434
- LORENTZEN, F. V.
OXYGEN CONSUMPTION DETERMINATION DURING STRENUOUS
FLYING PROGRAM AT VARIOUS G FORCES
A65-24073
- OXYGEN CONSUMPTION DURING FLIGHT OF MODERATE G
LOAD AT HIGH ALTITUDE
A65-81070
- LORENZ, P.
TERRESTRIAL MICROORGANISM SURVIVAL IN AEROSPACE
ENVIRONMENT DETERMINED FROM HIGH ALTITUDE ROCKET
AND BALLOON STUDIES
A65-23840
- SURVIVAL OF VARIOUS MICROORGANISMS SHIELDED WITH
ALUMINUM DURING ROCKET AND BALLOON FLIGHTS AND
DURING LABORATORY EXPOSURE TO ULTRAVIOLET LIGHT
AND X-RAY IRRADIATION
A65-81232
- LORENZ, W.
NOISE MEASUREMENTS ON SEVEN TYPES OF SPORTS
AIRCRAFT AND NOISE PROPHYLAXIS
A65-81087
- LORET, B. J.
APOLLO PROGRAM AND MANNED ORBITING SPACE STATIONS
A65-81281
- LOSEV, V. A.
BAROMETRIC PRESSURE EFFECT ON GAS COMPOSITION OF
ANIMAL BLOOD AFTER LUNG REMOVAL
N65-17782
- LOSHAK, A. IA.
COMBINED EFFECT OF HOT CLIMATE AND ULTRA HIGH
FREQUENCY RADIATION ON CENTRAL NERVOUS SYSTEM OF
WORKING PERSONNEL ENGAGED ON ULTRA HIGH FREQUENCY
PROJECTS
A65-82184
- LOSHAK, A. Y.
CLIMATIC EFFECTS ON CHRONIC MICROWAVE IRRADIATION
JPRS-31280
N65-29246
- LOSHAK, A. YA.
SUBSTITUTION OF GREEN-COLORED ZINC SULFIDE FOR
RELATIVELY HIGH RADIOACTIVE LUMINOUS SUBSTANCES
USED ON INSTRUMENT PANELS
N65-13664
- EFFECT OF LOW CONCENTRATIONS OF CARBON MONOXIDE ON
MAN IN PRESSURIZED CABIN OF PASSENGER PLANE
N65-13665
- LABOR HYGIENE AND OCCUPATIONAL PATHOLOGY IN WORK
WITH ULTRAHIGH FREQUENCY ELECTROMAGNETIC
RADIATION
N65-13729
- RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS
MEASURED FOR EVALUATING WORKING CONDITIONS OF
AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/164
N65-32289
- LOUBIERE, R.
MECHANICAL VIBRATION EFFECT ON MITOSIS OF
NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550
- EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND
LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC
FIELD
A65-26302
- SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA -
HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM
IN VARIOUS ORGANS IN MOUSE
A65-80111
- PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING
HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN
MOUSE
A65-80114
- ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN
SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122
- SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS -
AEROSPACE MEDICINE
NASA-TT-F-350
N65-35828
- LOUDON, R. G.
AERIAL TRANSMISSION OF INFECTION WITH REFERENCE TO
GRAVITATIONAL FALLOUT AND ATMOSPHERIC DILUTION
A65-19843
- LOVE, W. D.
REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF
DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA
A65-81175
- ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS
A65-81176
- LOVELOCK, J. E.
EXTRATERRESTRIAL LIFE DETECTION POSSIBILITIES
EXAMINED, EMPHASIZING DEFINITION OF LIFE
A65-33814
- PHYSICAL BASIS FOR EXTRATERRESTRIAL LIFE DETECTION
AND USE ON MARS
A65-81737
- LOVINGER, D.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM

- RTD-TDR-63-4092 N65-36724
- LOVINGER, D. N.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401
- LOVINGOOD, B. W.
PSYCHOMOTOR RESPONSES AS RELATED TO PERSONALITY
TRAITS OF YOUNG MEN PERFORMING IN HIGH AMBIENT
TEMPERATURE A65-80547
- LOWE, C. U.
SYNTHESIS OF AMINO ACIDS AND POLYPEPTIDES
NASA-CR-53134 N65-17054
- LOWREY, R. H.
MECHANICAL, MEDICAL, AND MORAL PROBLEMS RELATED TO
MANNED SPACE FLIGHT A65-80435
- LOZANO, R.
RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH
ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN
SICKNESS A65-80298
- RENAL FUNCTION IN HIGH-ALTITUDE NATIVES AND IN
NATIVES WITH CHRONIC MOUNTAIN SICKNESS A65-81918
- LUBANSKA-TOMASZEWSKA, L.
HISTOLOGICAL AND HISTOCHEMICAL STUDIES OF
SUPRARENAL GLANDS IN RATS AFTER PERIOD OF TRAINING
A65-80834
- CHANGES IN RNA CONTENT IN TISSUES OF VARIOUS
ORGANS AND PROTEIN METABOLISM DURING PHYSICAL
EXERCISE IN RATS A65-80836
- EFFECT OF VIBRATION ON HISTOCHEMICAL STATE OF
ADRENAL GLANDS AND CEREBRAL TISSUES IN RATS
A65-81859
- LUBIN, A.
AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND
SLEEP LOSS A65-81043
- RESOLUTION AND STABILITY IN SPECTRAL ANALYSIS OF
ELECTROENCEPHALOGRAM IN MAN A65-82278
- LUBITZ, J. A.
WATER RECLAMATION FROM CABIN-AIR DEHUMIDIFICATION
CONDENSATE AND WASH WATER BY MULTIFILTER SYSTEMS
A65-16560
- LUCAS, A.
AUDITORY SIGNAL EXPOSURE TIME IMPORTANCE IN USING
AUDIOMETRY IN SELECTING FLYING PERSONNEL A65-81830
- LUCAS, D.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS A65-81054
- LUCAS, J.
SCREENING AND SELECTION OF SPANISH PILOTS
A65-81778
- LUCE, E.
VERTICAL SINUSOIDAL VIBRATION - EFFECT ON
RESPIRATORY AIRFLOW AND TRANSPULMONARY PRESSURE
A65-81897
- LUDVIGH, E.
FOVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING
FUSION MOVEMENTS IN LIGHT ADAPTED EYES
A65-80509
- LUEHRS, R. E.
RADIOACTIVE CONTAMINATION OF AIRCRAFT OF U.S.S.
CARRIER ENTERPRISE IN MEDITERRANEAN FROM
FEBRUARY TO AUGUST 1963 A65-16564
- RADIATION HAZARD FROM CONTAMINATED AIRCRAFT
EXPOSED TO RADIOACTIVE FALLOUT A65-80386
- LUGOVOY, L. A.
CEREBRAL CORTEX BLOOD CIRCULATION, TETANUS TOXIN
EFFECT ON NEUROMUSCULAR TRANSMISSION, SKIN
TRANSPLANT, BIOCHEMICAL INDEXES, AND RECORDING
BY RADIO OF PULSE WAVE DIFFUSION SPEED
JPRS-28549 N65-17722
- LUIZOV, A. V.
HUMAN VISUAL SYSTEM IN TERMS OF OPTICS AND ENERGY
PULSES, DETAILING COLOR VISION A65-12431
- RETINAL IMAGE AND TRANSFORMATION WITHIN VISUAL
SYSTEM N65-26531
- LUKACS, G.
AMPHETAMINE AND PYROVALERONE HYDROCHLORIDE EFFECT
ON HUMAN PERFORMANCE A65-82198
- LUKASIEWICZ, M.
METHODS OF EVALUATING ANALGESIC EFFECT OF DRUGS
FTD-TT-64-55/162 N65-19187
- LUKANSKA, M.
VALIDITY OF CRAMPTON TEST IN APPRAISAL OF
CARDIOVASCULAR EFFICIENCY OF INDIVIDUAL
ENGAGED IN STRENUOUS PHYSICAL EXERCISE A65-80320
- LUKES, V.
MUSCLE CRAMPS INVESTIGATED IN EIGHTEEN YEAR OLD
AVIATION CADETS AND RELATION TO JOINT TRAUMA
A65-80978
- LUKOMSKIY, P. YE.
CLINICO-INSTRUMENTAL INVESTIGATION OF CONTRACTILE
FUNCTION OF HEART N65-25670
- LUKYANOVA, L. D.
ANIMAL TESTS FOR EFFECTS OF ACCELERATION,
VIBRATION AND IONIZING RADIATION ON OXIDATION
METABOLISM IN CENTRAL NERVOUS SYSTEM AND MITOSIS
IN HEMOPOIETIC TISSUES A65-29946
- VIBRATION AND RADIATION EFFECTS ON ACIDIFYING
PROCESSES IN BRAIN TISSUES OF RATS N65-13730
- EFFECT OF LOCAL AND TOTAL, SINGLE AND CHRONIC
VIBRATION ON STATE OF PERIPHERAL AND CENTRAL
NERVOUS SYSTEMS N65-31379
- VIBRATION EFFECT ON OXYGEN METABOLISM IN CEREBRAL
TISSUE OF RATS N65-31386
- MECHANISM OF COMBINED EFFECT OF VIBRATION AND
IRRADIATION ON OXYGEN METABOLISM IN CEREBRAL
TISSUES OF RATS N65-31387
- LUMIO, J. S.
ASSESSMENT OF HEARING DEFECTS OF SUBJECTS WORKING
IN NOISY ENVIRONMENTS IN FINLAND A65-81214
- LUNDGREN, C. E. G.
OVERPRESSURE IN MIDDLE EAR AS RELATED TO VERTIGO
OCCURRING IN DIVERS AND PREVENTIVE AND
THERAPEUTIC MEASURES A65-82012
- DISTRIBUTION OF INSPIRED AIR DURING VENTILATION
WITHOUT RESPIRATORY MOVEMENTS A65-82169
- LUNDGREN, D. A.
MARS BIOLOGICAL SAMPLE COLLECTION AND PROCESSING
NASA-CR-57724 N65-20753
- CHARACTERISTICS OF IMPACTION AND BIOLOGICAL
FILTRATION AEROSOL COLLECTION MECHANISMS IN
STRATOSPHERE N65-23985
- BALLOON-BORNE PROBES LAUNCHED TO DETERMINE
EXISTENCE AND IDENTIFICATION OF VIABLE
MICROORGANISMS AT HIGH ALTITUDES N65-23999

- LUNDGREN, O.
BASAL METABOLIC RATE - NITROGEN ELIMINATION DURING
PURE OXYGEN BREATHING AND NOTE ON BODY SURFACE
AREA FORMULAS A65-81696
- LUNDIN, G.
MIXED VENOUS CARBON DIOXIDE TENSION DETERMINED BY
CARBON DIOXIDE REBREATHING METHOD - INFLUENCE OF
REBREATHING TIME A65-81508
- LUNDSTROM, J.
PERMEABILITY IN GAS-MEMBRANE-GAS SEPARATION
SYSTEMS
NASA-CR-51103 N65-16326
- LUPU, N. Z.
SILICON DIODE CIRCUIT FOR ASSESSING THERMAL
ENVIRONMENT BY CONTINUOUS MEASUREMENT OF WET
BULB GLOBE THERMOMETER / WBGT/ INDEX A65-21485
- LURIA, Z.
POSTURAL AUTOKINETIC EFFECT RELATED TO SUGGESTION
AND SUSCEPTIBILITY TO MOTION SICKNESS A65-81448
- LUSHBAUGH, C. C.
ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED
BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660
- LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663
- RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE N65-25667
- LUSHBAUGH, D. B.
ELECTRONIC PARTICLE ANALYZER TO DETERMINE RED
BLOOD CELL VOLUME AS AID IN CLINICAL DIAGNOSIS
N65-25660
- LUSTIG, G. A.
CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING
COLD PRESSOR TEST A65-81600
- LUTHERER, L. O.
CHANGES IN ADIPOSE TISSUE IN RATS ACCLIMATED TO
HIGH ALTITUDE A65-82015
- LUTMAN, C. C.
PILOT RELIABILITY AND SKILL RETENTION TESTED IN
INTEGRATED MISSION SIMULATION OF LONG DURATION
SPACE FLIGHT MISSION A65-27039
- PILOT RELIABILITY AND SKILL RETENTION FOR SPACE
FLIGHT MISSIONS A65-81305
- VARIOUS OPERATIONAL AND FLIGHT ASPECTS OF APOLLO
PROGRAM AND COMPONENT MODULES A65-81355
- LUYET, B. J.
STATE OF WATER IN TISSUES OF HIBERNATORS
A65-81466
- MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE
AAL-TDR-63-26 N65-12189
- TIME FACTOR INITIATING FREEZING AND ICE
PENETRATION AND FORMATION IN MOUSE LIMB TISSUE
AAL-TDR-63-27 N65-17910
- INJURY CAUSED BY FORMATION OF ICE IN ISOLATED
MUSCLES OF RATS
AAL-TDR-63-39 N65-18971
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND
HAMSTERS - COLD TOLERANCE
AAL-TDR-63-30 N65-18972
- DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561
- LVOVSKAYA, E. N.
EFFECTS ON EYES OF NEAR-MAXIMUM DOSAGES OF GAMMA
AND NEUTRON RADIATION - OPHTHALMOLOGY
N65-21209
- LYAPUNOV, A. A.
RELATION OF LIVING ORGANISMS AND INERT MATTER
WITHIN BIOSPHERE - ECOLOGY N65-14580
- LYASHCHENKO, M. M.
DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY
N65-25672
- LYERLY, S. B.
DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON
PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE
AND CHLORAL HYDRATE WITH YOUNG ADULT MALE
A65-80448
- LYLE, R. E.
CHEMICAL SYNTHESIS OF ACTINOMYCIN ANALOGS -
PREPARATION OF HETEROAROYL PEPTIDES
AR-3 N65-31233
- LYMAN, C. P.
EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL,
CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING
CYCLE A65-81467
- LYMAN, E. G.
HUMAN RESTRAINT SYSTEMS DEVELOPMENT FOR
ACCELERATION RESEARCH
NASA-TN-X-54780 N65-29431
- LYMAN, J.
UPPER EXTREMITY PROSTHETICS RESEARCH, SENSORY
MOTOR CONTROL, AND TRACKING SIMULATOR
DEVELOPMENT
REPT.-64-58 N65-15598
- UPPER EXTREMITY PROSTHETICS - HUMAN TRACKING,
SENSORY MOTOR CONTROL, AND MYOELECTRIC CONTROL
REPT.-64-30 N65-18929
- BIOTECHNOLOGICAL PROJECTS IN UPPER EXTREMITY
PROSTHETICS, SENSORY MUSCULAR CONTROL, HUMAN
OPERATOR PERFORMANCE IN TRACKING SYSTEMS, AND
ELECTROMYOGRAPH CONTROL STUDIES
REPT.-65-14 N65-24004
- LYNCH, J. I.
HUMAN PERFORMANCE WHILE EXERCISING IN ARTIFICIAL
ATMOSPHERE UNDER PRESSURE EQUIVALENT TO 200 FEET
OF SEA WATER
REPT.-419 N65-13111
- LYNCH, M. E.
SIMPLIFIED TECHNIQUE FOR OFFICE EXERCISE
ELECTROCARDIOGRAPHY A65-82102
- LYNCH, V. H.
HUMAN URINE AND URINARY NITROGEN COMPOUNDS USED TO
SUPPORT GROWTH OF PHOTOSYNTHETIC ALGAL SYSTEM
A65-11401
- SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN
PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS
A65-22752
- CONTAMINATION AND VIABILITY OF SPORES OF
BACTERIUM, BACILLUS SUBTILIS, IN ROCKET
PROPELLANTS - STERILIZING PROPERTIES OF VARIOUS
ROCKET FUELS A65-80506
- GAS EXCHANGE IN CHLORELLA PYRENOIDOSA - TIME,
LIGHT AND SPECTRAL DISTRIBUTION EFFECTS ON
PHOTOSYNTHESIS A65-81590
- LYON, C. J.
INDOLE-ACETIC ACID-2- C-14 MOVEMENT IN DEVELOPMENT
OF GEOTROPIC CURVATURE IN BRANCHES AND IMMATURE
PLANTS FROM CLONE OF COLEUS BLUMEI, BENTH,
STUDIED BY RADIOASSAY A65-31319
- GROWTH HORMONE EFFECT ON PLANT DEVELOPMENT IN
ABSENCE OF GRAVITATIONAL EFFECTS
NASA-CR-53405 N65-15369
- LYONS, H. A.
PULMONARY COMPLIANCE AND NONELASTIC RESISTANCE OF
HUMAN SUBJECT DURING TREADMILL EXERCISE

- LYONS, J. A65-82151
COMPUTER PROGRAMMING AND INFORMATION RETRIEVAL FOR
LINGUISTIC TRANSFORMATIONAL ANALYSIS
RADC-TDR-64-200 N65-16009
- LYSENKO, S. V.
ULTRAHIGH VACUUM EFFECTS ON MICROORGANISMS
A65-30685
- LYSINA, G. G.
EFFECT OF ULTRAHIGH FREQUENCY RADIATION IN FORMED
ELEMENTS OF BLOOD IN MEN A65-82185
- LYUBAN, G. L.
HORMONE ADAPTATION TO HYPOXIA CLINICAL DEATH
N65-17803
- LYUDKOVSKAYA, R. G.
ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC
ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE
ISOLATED GIANT AXON OF RAIN WORM N65-32663

M

- MAAS, A. H. J.
INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION A65-80198
- MAC DONALD, N. S.
STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY -
BIOPHYSICS AND NUCLEAR MEDICINE
UCLA-12-538 N65-14988
- MAC KENZIE, W. E.
QUATERNARY AMMONIUM COMPOUNDS FOR SANITIZING AND
DEODORIZING RUBBERIZED FLIGHT CLOTHING AND USE
OF NONIONIC DETERGENTS FOR RENDERING SYNTHETIC
MATERIALS ANTISTATIC
NAEC-AML-2050 N65-18031
- MAC LEOD, S.
PHOTOGRAPH INTERPRETER PERFORMANCE STUDIES FOR
INVESTIGATION OF IMAGE QUALITY, PRESENTATION OF
COMPARATIVE-COVER, TRAINING TECHNIQUES, TEMPORAL
ASPECTS OF IMAGERY AND CONTENT
RADC-TDR-64-326 N65-23083
- MACFARLANE, W. V.
HABITUATION TO HEAT AND COLD IN CAT AT SPINAL CORD
LEVEL A65-80913
- INFANT AND ADULT WATER CONSUMPTION AND ELECTROLYTE
METABOLISM IN HOT DRY REGION AS AFFECTED BY
PHYSICAL ACTIVITY A65-80952
- MACGREGOR, D. C.
ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG
AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND
EPINEPHRINE A65-81025
- MACIASR, F. M.
GROWTH AND CULTURE CHARACTERISTICS OF CHLORELLA
ALGAL FLAGELLATES FOR MASS CULTURE
SAM-TDR-64-63 N65-16880
- GEL FILTRATION AND CHROMATOGRAPHIC TECHNIQUES FOR
ANALYSES OF FLUORESCENT PRODUCTS IN URINE OF
IRRADIATED RATS
NSL-65-23-1 N65-34281
- MACK, P. B.
BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182 N65-20474
- SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373
- BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY
N65-36106
- MACKAY, R. S.
LABORATORY AND FIELD EXPERIMENTS ON RADIO
TELEMETRY FROM WITHIN BODY, USING ACTIVE AND
PASSIVE TRANSMITTERS TO OBTAIN PHYSIOLOGICAL DATA
A65-22331
- PROGRESS REPORT ON RADIO TELEMETRY FROM INSIDE
BODY A65-81057
- MACKENNA, B. R.
UPTAKE OF CATECHOLAMINES BY HEART OF RABBITS
TREATED WITH SEGONTIN, A NEW AMINE DRUG A65-82238
- MACKLEM, P. T.
MEASUREMENT OF INTRABRONCHIAL PRESSURE IN MAN
A65-81632
- MACKLIN, M.
OXYGEN RECOVERY FROM METABOLIC CARBON DIOXIDE FOR
SPACECRAFT ENVIRONMENT A65-10698
- ELECTROCHEMICAL CONCENTRATION OF CARBON DIOXIDE
FROM CLOSED ATMOSPHERE BY CARBONATION CELL
TRANSFER OF GAS IONS BETWEEN ELECTRODES
AICE PREPRINT 54F A65-15396
- MACKWORTH, J. F.
PERFORMANCE DECREMENT WITH TIME IN VIGILANCE,
THRESHOLD AND HIGH SPEED PERCEPTUAL MOTOR TASKS
A65-22467
- SIGNAL DETECTABILITY IN VIGILANCE TASK AS FUNCTION
OF TRUE AND/OR FALSE KNOWLEDGE OF RESULTS
A65-80300
- MEMORY FOR AURALLY AND VISUALLY PRESENTED MATERIAL
AS FUNCTION OF PRESENTATION RATE A65-80519
- MACKWORTH, N. H.
VISUAL NOISE CAUSES TUNNEL VISION
A65-82281
- MACLEOD, D. F.
DEVELOPMENT OF CRITERIA FOR PHYSICAL FITNESS TESTS
FROM FACTOR ANALYSIS RESULTS A65-81913
- MACNAMARA, W. D.
PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND
SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF
POSITIVE ACCELERATION A65-82145
- MACPHERSON, R. K.
THERMAL COMFORT STANDARDS INFLUENCED BY GROUP
DIFFERENCES A65-80972
- MACRAE, A. W.
RESTRICTION AND FORCED - RESPONSE GUIDANCE IN
TRAINING FOR TWO FORMS OF MANUAL POSITIONING
TASK A65-82004
- MACRIS, C. J.
INTERPLANETARY VOYAGES - REASONS FOR AND NECESSITY
OF MANNED INTERPLANETARY FLIGHT
A65-80296
- MADAN, V.
KNOWLEDGE OF RESULTS IN TIME ESTIMATING TASK
A65-81319
- MADDEN, J. M.
COMPARISON OF ERROR IN FIVE SORTING PROCEDURES FOR
ORDINAL RANKING A65-81447
- MADER, P. P.
DEGASSING CHARACTERISTICS OF MATERIALS AND
SUPPLIES FOR SPACE CABIN USE INCLUDING EMPIRICAL
EVALUATION TECHNIQUE A65-23617
- MADER, R.
BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS
ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN
RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279
- MADRY, R.
QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -

- RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
- MADOLE, D. W.
INTERNATIONAL LAW REGARDING AIRCRAFT ACCIDENTS
A65-81516
- MADSEN, M. J.
EVALUATION AND PREDICTION OF PHYSICAL FITNESS
IN MEN OF DIFFERENT AGES USING MODIFIED
APPARATUS OF HARVARD STEP TEST
A65-80209
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY
PERSONNEL - HEART RATE CURVES DURING EXERCISE,
RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS
NSAM-890
N65-24810
- MAEVA, T. A.
RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF
RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING
INSPIRATION AND EXPIRATION
A65-80012
- MAFFEI, L.
ORIGIN OF RETINAL GANGLION CELL FIRING RATE IN
EYES OF CATS DURING LIGHT AND DARK ADAPTATION.
A65-82353
- MAGANOVA, N. B.
VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT
N65-27268
- MAGDALENA, E. F. M.
HEARING LOSS IN FLYING PERSONNEL AND ITS RELATIONS
TO PERSONNEL MANAGEMENT
A65-81783
- MAGDALENA, F. M.
VISUAL PROBLEMS OF SPANISH AIRLINE PILOTS
A65-81785
- USE OF CONTACT LENSES BY FLYING PERSONNEL
A65-81786
- BARANY CHAIR TEST OF LABYRINTH FUNCTION AS
CRITERION FOR PILOT SELECTION
A65-81808
- AUDIOMETRIC FINDINGS OF HEARING LOSS SUFFERED BY
PILOTS, FLIGHT MECHANICS, AND RADIO OPERATORS IN
LINE OF DUTY
A65-81809
- AGE LIMIT OF SPANISH MILITARY AND CIVILIAN PILOT
A65-81814
- MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT
DUTY
A65-81826
- EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS
A65-81842
- MAGDON, E.
NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER
A65-80188
- MAGER, M.
HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD
A65-82192
- MAGNES, J.
NEUROPHYSIOLOGY OF HEAT EXPOSURE
A65-80911
- DIURNAL AND SEASONAL METABOLIC CHANGES IN
ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS
LIVING IN HOT CLIMATE
A65-80960
- MAGNOLIA, L. R.
BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLOGY
STL-9990-6737-KU-000
N65-19834
- MAGNUSON, T. D.
INSTRUMENTATION FOR DECOMPRESSION CHAMBER AND
OTHER EQUIPMENT USED FOR ENVIRONMENTAL TESTING
OF CHIMPANZEE - AEROSPACE MEDICINE
N65-36772
- MAHMOOD, N. H.
GENETIC VARIATION AND ITS INFLUENCE ON PROTECTION
BY CYSTEINE AGAINST GAMMA RADIATION IN ESCHERICHIA
COLI
A65-82320
- MAILLIE, H. D.
EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM
THICKNESS ON 1000 KPV X-RAY DEPTH DOSE
UR-667
N65-29886
- MAINARDI, M.
ELECTROCARDIOGRAPHIC ALTERATIONS IN CASES
OF ACUTE CARBON MONOXIDE POISONING
A65-80289
- MAIO, D. A.
POLAROGRAPHIC DETERMINATION OF OXYGEN CONTENT AND
CAPACITY IN BLOOD SAMPLE
A65-81637
- MAISKII, I. N.
VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS
A65-35818
- BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE
FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND
SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC
BACTERIA
A65-35819
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4
A65-81620
- STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT
FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN
SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624
- MAITRA, S. R.
BLOOD LACTIC ACID IN BENGALI MALES LIVING IN
TROPICAL CLIMATE - EFFECT OF PHYSICAL EXERCISE
A65-80973
- MAINWALD, C.
OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK
A65-80452
- MAJEWSKA, H.
OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND
A65-81216
- MAJEWSKI, C.
OPHTHALMOLOGIC AND HISTOLOGIC CHANGES IN RABBIT
EYES INDUCED BY ULTRASOUND
A65-81216
- EFFECT OF EXPOSURE OF ONE EYEBALL TO ULTRASOUND ON
CEREBRAL VISUAL CENTERS IN RABBIT
A65-81449
- MAKARCHENKO, A. F.
EXCITATION STATE OF CENTRAL NERVOUS SYSTEM
REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD
SERUM PROTEINS - ELECTROKINETICS
N65-25615
- MAKARYAN, S. S.
MORPHOLOGICAL CHANGES IN LABYRINTH OF DOGS EXPOSED
TO ACCELERATIONS OF VARYING INTENSITY, DURATION,
AND DIRECTION
N65-13706
- MAKHALOVA, O. K.
EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON
PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS
IN DOGS
A65-82182
- MAKINO, H.
UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION
A65-80334
- MAKINODAN, T.
FATE OF SPLEEN CELLS LABELLED WITH TRITIUM -
SENSITIVITY IN VIVO CULTURES DURING SECONDARY
RESPONSE OF ANTIBODY
N65-36617

- MAKSIMOV, D. G.**
ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD
VOSKHOD I NOTING APPARATUS RECORDING
ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAF,
DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF
ASTRONAUTS A65-34946
- OCULOMOTOR ACTIVITY DISTURBANCES REGISTERED IN
SOVIET ASTRONAUTS DURING SPACE FLIGHT A65-81199
- STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I
SPACECRAFT A65-81962
- PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT N65-12734
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
- PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY
DURING ORBITAL SPACE FLIGHT N65-26920
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT ON SPACECRAFT VOSKHOD
JPRS-31913 N65-32344
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777
- MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED
SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785
- MALAYA, L. T.**
DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY
N65-25672
- MALCIK, V.**
EXPERIMENTAL INDUCTION OF SOME SENSATIONS
CORRESPONDING TO FLIGHT ILLUSIONS OF VESTIBULAR
APPARATUS A65-12882
- MALECKI, G. S.**
OPERATOR TRAINING REQUIREMENTS FOR AIR CUSHION
VEHICLES
NAVTRADEVEN-1557-1 N65-23085
- MALEK, R.**
QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL
AND LATERAL MAMMILLARY NUCLEI AND RELATED
STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF
CAT BRAIN, NOTING ULTRASONIC LESIONS A65-30738
- MALHOTRA, M. S.**
SALT REQUIREMENTS OF ACCLIMATIZED PEOPLE
PERFORMING PHYSICAL EXERCISE IN TROPICS A65-80968
- MALINSKAYA, N. N.**
OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING
MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING
DISORDERS N65-10121
- MALKIN, V. B.**
HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL
ACCELERATION N65-13639
- RESPIRATION AND GAS EXCHANGE IN ACUTE HYPOXIC TEST
N65-13647
- HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW
PRESSURE CHAMBER N65-13687
- DIAGNOSIS OF CHANGES IN ELECTROENCEPHALOGRAPH TO
ESTABLISH HUMAN RESISTANCE TO ACUTE HYPOXIA FOR
LONG PERIOD OF TIME N65-13731
- CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE
HYPOXIA N65-17767
- AUTOMATIC DIAGNOSIS OF DEGREE OF HYPOXIA
N65-17845
- MALLET, P.**
VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917
- MALMQUIST, C.**
SHIFTS IN AIR-CONDUCTION THRESHOLDS IN HUMANS
PRODUCED BY PULSED AND CONTINUOUS CONTRALATERAL
MASKING A65-81074
- MALONE, J. C.**
ACOUSTICALLY EVOKED RESPONSE TO CESSATION OF
STIMULUS A65-81416
- MALTSEV, N. A.**
THERMAL MOLECULAR MOTION OF LIVING PROTOPLASM -
ENVIRONMENTAL ADAPTATION N65-28289
- MALYSHKIN, YE. T.**
FLIGHT PERSONNEL AFFLICTED WITH STOMACH, DUODENAL,
AND GASTROINTESTINAL DISEASES - PERSONNEL
SELECTION N65-13732
- DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL
AFFLICTED WITH ATHEROSCLEROSIS N65-13733
- MAMMARELLA, L.**
INERT MONO- AND POLYDISPERSED AEROSOLS TO TEST
EFFICIENCY OF AIRBORNE BACTERIA SAMPLERS
A65-30140
- AIRBORNE BACTERIA COLLECTION BY SIMPLE DYNAMIC
SAMPLERS AND THEIR RELATIVE EFFICIENCIES
A65-32795
- COMPARISON OF AIRBORNE BACTERIA SAMPLERS BY MEANS
OF INERT MONO- AND POLYDISPERSED AEROSOLS
A65-81444
- SAMPLING DEVICES FOR AIRBORNE MICROORGANISMS
A65-82026
- MAMMEN, R. E.**
EFFECT OF SEQUENTIAL EXPOSURE TO ACCELERATION AND
GASEOUS ENVIRONMENT OF SPACE CABIN ON HUMAN
PHYSIOLOGICAL ADAPTION
NAEC-ACEL-498 N65-14457
- MANAK, V.**
BRIGHTNESS CONTRAST OF VISUAL FIELD
A65-80685
- MANALIS, R. S.**
TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134
- MANCIA, M.**
TRANSCALLOSAL, EXTRACALLOSAL, AND
GENICULO-CORTICAL RESPONSES OF CAT TO ELECTRIC
SHOCK DURING SLEEP AND WAKEFULNESS
A65-81380
- MANDEL, M.**
TEMPERATURE EFFECT ON PROTON MAGNETIC RESONANCE
SPECTRA OF RIBONUCLEASE, OXIDIZED RIBONUCLEASE
AND LYSOZYME A65-18031
- PROTON MAGNETIC RESONANCE SPECTRA OF AMINO ACIDS,
DIPEPTIDES, AND TRIPEPTIDES AT FREQUENCY OF 100
MC - RIBONUCLEASE, OXIDIZED RIBONUCLEASE,
LYSOZYME, AND CYTOCHROME C SPECTRA
NASA-CR-58662 N65-29650
- MANDELL, A. J.**
MOOD, MOTILITY, AND 17-HYDROXYCORTICOID
EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT
NASA-CR-63785 N65-28097
- MANDELSTAM, H. L.**
FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL
CONTROL SYSTEM
STL-9990-6397-RU-000 N65-27158
- MANDROVSKY, B.**
PROBLEMS OF VOSKHOD II SPACECRAFT LIFE SUPPORT

- SYSTEMS AND BIOASTRONAUTICS, AND FUTURE GOALS OF
MANNED SPACE FLIGHT PROGRAM N65-32679
- MANENT, P.
EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF
PILOTS A65-36399
- MANFREDI, M.
FUNCTIONAL CHANGES IN ACOUSTIC PATHWAY DURING
SLEEP-WAKE CYCLE IN CATS A65-82072
- VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222
- MANGELSDORF, J. E.
AUTOMATIC SYSTEM TO MONITOR CREW PERFORMANCE
CAPABILITIES AND PHYSIOLOGICAL STATE, AND TO
DEVELOP DIGITAL TECHNIQUES FOR PROCESSING,
DISPLAYING, AND ANALYZING DATA
LMSC-6-65-65-15 N65-24710
- MANGILI, F.
KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- MANGIN, H.
PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED
BY EJECTION A65-80876
- STATISTICAL ANALYSIS OF EJECTIONS IN FRENCH ARMY
FROM 1951-1963 A65-80918
- RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS A65-80919
- MANI, K. V.
HOT-WIRE MICROANEMOMETER OF AIR MOVEMENTS
INSIDE CLOTHING A65-81921
- MANIL, J.
RELATIONSHIP BETWEEN TACTILE PERCEPTION THRESHOLD
AND POTENTIALS EVOKED IN SOMATO-SENSITIVE CEREBRAL
CORTEX A65-80734
- MANINA, A. A.
RADIATION INJURIES AND RESTORATIVE PROCESSES IN
CENTRAL NERVOUS SYSTEM OF MAMMALS
JPRS-29288 N65-19665
- MANION, R. C.
AUTOMATED HUMAN FACTOR TASK DATA HANDLING SYSTEM
NASA-CR-67080 N65-33972
- MANLEY, J. H.
METHODS TO AID IN MICROSTRUCTURE ANALYSIS BY
ELECTRON MICROSCOPY - ARTIFICIAL CLATHRATES,
DECOMPOSITION, EPITAXY, AND SULFUR SENSITIZATION
LA-3389-MS N65-36223
- MANN, I. A.
EVOLUTION OF ENVIRONMENTAL CHAMBER DESIGN
A65-80808
- MANN, J. R.
EVALUATIONS OF PLASTIC BADGES CONTAINING BETA,
GAMMA, AND NUCLEAR TRACK FILM FOR USE IN
PLUTONIUM CHEMISTRY PLANT
RFP-451 N65-13333
- MANNEY, T.
HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST
CELLS FOR STUDY OF CELLULAR MODIFICATION
N65-23466
- MANNI, E.
EYE NYSTAGMUS ELICITED BY STIMULATION OF
NYSTAGMOGENIC AREA OF CEREBRAL CORTEX IN RABBIT
A65-80944
- OCULOMOTOR NUCLEUS UNITARY DISCHARGE IN GUINEA PIG
FOLLOWING CALORIC STIMULATION OF LABYRINTH
A65-81313
- ANATOMICAL AND FUNCTIONAL RELATIONSHIPS OF
CEREBRAL AND MESODIENCEPHALIC NYSTAGMOGENIC
CENTERS IN RABBITS WITH INJURY AND ELECTRIC
STIMULATION A65-82354
- MANNING, G. W.
ELECTROCARDIOGRAM AND ISCHEMIC HEART DISEASE IN
AIRCRAFT PILOT SELECTION AND AIRCRAFT ACCIDENTS
A65-82351
- MANNING, S.
VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004 N65-17144
- MANOILOV, S. YE.
METAL-CONTAINING ENZYME DAMAGE AS EVIDENCE OF
BIOLOGICAL ACTION OF PENETRATING RADIATION
T-413-R N65-27930
- MANSUROV, A. R.
WHITE RAT RESPONSES TO PROLONGED EXPOSURE TO
ATMOSPHERE OF PURE OXYGEN AT PRESSURE OF 198 TORR
A65-29947
- EFFECT OF PROLONGED INHALATION OF PURE OXYGEN IN
RATS IN LOW PRESSURE CHAMBER A65-81671
- CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND
DOGS CAUSED BY EXPLOSIVE DECOMPRESSION
N65-13722
- EFFECT OF PROLONGED EXPOSURE TO ARTIFICIAL
ATMOSPHERE OF PURE OXYGEN AT REDUCED PRESSURE
NASA-TT-F-9427 N65-27713
- MANTEYFEL, B. P.
ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS
UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC
STUDIES
JPRS-29757 N65-22113
- MANTIS, H. T.
ATMOSPHERIC PROPERTIES OF TEMPERATURE, DENSITY
AND ACCOMPANYING FIELD OF RADIATION AS RELATED
TO BIOLOGICAL ENVIRONMENT N65-23981
- MANTSVETOVA, A. I.
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
- STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984
- HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723
- MANYAKO, B. A.
OXYGEN DEFICIENCY OCCURRING IN HUMANS SUFFERING
CARDIAC VALVE DISEASE - MITRAL DISEASE
N65-17797
- MARCHIAFAVA, P. L.
SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT
DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN
CAT A65-82352
- MARCHIARO, G.
ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE
POISONING IN DOGS A65-80292
- CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS
OF RESUSCITATION IN DOGS A65-80293
- MARCOVICH, A.
LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR
DETERMINATION OF LETHAL CONGENITAL ANOMALIES
FROM X-RAY DOSES N65-23463
- MARCULESCU, M.
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS A65-81619
- MARCUS, S.
DIFFERENT ROUTES OF CHALLENGE OF COXSACKIE B
VIRUS ON COLD STRESSED MICE
AAL-TDR-64-2 N65-18973
- MAREK, I.
MATHEMATICAL EVALUATION OF OXYGEN CONSUMPTION
DURING PHYSICAL EXERCISE AND RECOVERY
A65-81717

- MARGAGLIA, F.**
HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE
POISONING IN DOGS A65-80294
- MARGARIA, E.**
ACID-BASE EQUILIBRIUM IN CARBON MONOXIDE
POISONING IN DOGS A65-80292
- MARGARIA, R.**
HUMAN LOCOMOTION IN SUBGRAVITY STUDIED, USING
SIMULATION MODELS AND QUANTITATIVE ANALYSIS OF
MECHANICS A65-14224
- HUMAN LOCOMOTION AND ENERGY REQUIREMENTS UNDER
SUBGRAVITY CONDITIONS - ANALYSIS BASED ON PHYSICAL
CHARACTERISTICS A65-80131
- KINETICS OF OXYGEN CONSUMPTION AT ONSET OF
MUSCULAR EXERCISE IN MAN A65-80884
- MECHANICS OF WALKING, RUNNING AND JUMPING ON MOON
A65-81739
- NOMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN
CONSUMPTION IN MAN DURING EXERCISE A65-81920
- MARGEN, S.**
MEDICAL PROBLEMS IN AIR TRANSPORTATION OF PATIENTS
A65-80371
- MARHA, K.**
BIOLOGICAL EFFECTS OF HIGH FREQUENCY
ELECTROMAGNETIC FIELD
FTD-TT-64-898/1&2 N65-22067
- BIOLOGICAL EFFECTIVENESS OF HIGH FREQUENCY
ELECTROMAGNETIC FIELD IN ANIMALS AND IN SOME
FLUIDS
ATD-T-65-56 N65-35916
- MARINELLI, L. D.**
X-RAY DIAGNOSIS, RADIOTHERAPY, AND NUCLEAR
MEDICINE - RADIOLOGICAL PHYSICS
N65-18086
- MARISAVLJEVIC, T.**
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- MARITZ, J. S.**
NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS A65-80274
- MARKAKIS, P.**
IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
COO-1283-12 N65-19822
- MARKARYAN, S. S.**
EFFECT OF ANGULAR AND CORIOLIS ACCELERATION ON
VESTIBULAR APPARATUS AND VISION A65-81200
- EFFECT OF INTENSIVE ANGULAR ACCELERATIONS ON
VESTIBULAR REACTIONS OF AIRCRAFT PILOT
N65-13734
- METHODS OF SELECTING PERSONNEL BY VESTIBULAR
TESTS N65-13779
- PHYSIOLOGICAL RESPONSE TO ANGULAR AND CORIOLIS
ACCELERATIONS N65-26921
- MARKELOV, B. A.**
RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS A65-29943
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- MARKELOVA, L.**
HUMAN BEHAVIOR IN SPACE VEHICLE
JPRS-27880 N65-12875
- MARKER, C. S.**
MINIMIZATION OF HUMAN ERRORS EFFECT ON SYSTEM
- SAFETY BY TREATING MAN AS SUBSYSTEM WITHIN GIVEN
SYSTEM A65-31588
- MARKEVICH, S. V.**
RADIOLYSIS OF DEXTRAN DERIVED BLOOD PLASMA
SUBSTITUTE AND COBALT 60 EFFECT ON MUSCLE
ADENOSINE TRIPHOSPHATE AND INORGANIC PHOSPHORUS
JPRS-29183 N65-20828
- MARKIEWICZ, L.**
VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM
AND ITS CATECHOLAMINE MEDIATORS IN RATS A65-80233
- MARKOVA, YE. A.**
ASPHYXIA INFLUENCE ON ELECTROCORTICAL EFFECTS OF
ACETYLCHOLINE - HYPOXIA N65-17771
- ANIMAL STUDY - PATHOLOGICAL EFFECT OF REDUCED
BAROMETRIC PRESSURE ON CARDIORESPIRATORY SYSTEM
DUE TO OXYGEN STARVATION N65-25026
- MARKOVIC-USKOKOVIC, V.**
BRAIN METABOLISM AND RESISTANCE OF HIBIATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456
- MARKS, B. H.**
BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND
PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED
BY HYPOXIA A65-81026
- MARKS, E. L.**
HYPEROXIA AND HYPOXIA EFFECT ON RADIATION
LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO
HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS,
AND RABBITS N65-19217
- MARKS, P. A.**
VISUAL IMAGERY PRODUCED BY RHYTHMIC PHOTIC
STIMULATION - PERSONALITY CORRELATES AND
PHENOMENOLOGY A65-80866
- MARKS, S.**
REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS
AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE
A65-80755
- MARMUR, R. K.**
INFLUENCE OF ULTRASOUND ON PERMEABILITY OF
BLOOD-EYE BARRIER AND REFRACTIVE MEDIA ON EYE IN
RABBITS A65-81289
- MARRAS, D.**
BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL
LEAD POISONING IN RABBITS A65-81256
- DIAGNOSTIC METHODS USED IN CARBON MONOXIDE
POISONING - COMPARATIVE STUDY A65-81401
- MARRE, E.**
RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND
EXTERNAL PRESSURE IN RABBITS
FTD-TT-65-307/1&2&4 N65-30927
- MARRS, E. H. A. M.**
RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE
EAR, AND INNER EAR TO BONE CONDUCTION IN CATS
A65-82129
- MARRIOTT, I. A.**
CASE HISTORIES OF APPARENT CHEMICAL BURNS AFTER
HANDLING MAGNETRON TUBE IN RADAR SET A65-80789
- MARSAGLIA, G.**
PROBABILITY DISTRIBUTION OF ACCUMULATED RADIATION
DOSE IN BLOOD DIVERTED THROUGH SHUNT
D1-82-0362 N65-10964
- MARSH, R. C.**
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47 N65-19646
- MARSHAK, M. YE.**
RELATIONSHIP BETWEEN ELECTRICAL ACTIVITY OF
RESPIRATORY MUSCLES AND BRAIN CENTER CONTROLLING

- INSPIRATION AND EXPIRATION A65-80012
- REGIONAL OXYGEN DEFICIENCY IN HUMANS WITH HYPOXIA
N65-17784
- MARSHALL, H. W.
RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING A65-82220
- MARSHALL, J. H.
CALCIUM ACCRETION AND BONE FORMATION IN DOGS
N65-18088
- DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES
NASA-CR-67267 N65-35116
- MARSHALL, R. J.
VERTEBRAL INJURIES SUSTAINED FROM AIRCRAFT
EJECTION - PROPOSED DESIGN TO DETERMINE DYNAMIC
STRENGTH OF ISOLATED VERTEBRA, AND ANNOTATED
BIBLIOGRAPHY ON EJECTION-RELATED INJURIES
TI-65-041 N65-28352
- MARTEN, A. E.
PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN
DIFFERENT POSITIONS IN SPACE AS RELATED TO
DIRECTION OF PERCEPTION A65-81377
- MARTICORENA, E.
CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016
- MARTIN-LALANDE, J.
TEMPERATURE OF EXPIRED AIR IN COLD ENVIRONMENT
A65-80109
- MARTIN, C. J.
PSYCHOPHYSIOLOGIC STUDIES OF PULMONARY VENTILATION
IN VARIOUS EMOTIONAL STATES, EXERCISE, AND SLEEP
A65-80401
- MARTIN, F. L.
ISOMETRIC EXERCISE EFFECTS ON HEART RATE, BLOOD
PRESSURE, AND NET OXYGEN COST
NASA-CR-59419 N65-10119
- MARTIN, J. F.
PILOT-AIRCRAFT INTERACTION, DISCUSSING ATTITUDE
SENSE WHEN PILOT RELIES UPON HIS SENSE OF RELATIVE
GRAVITY VECTOR A65-82628
- LOSS OF CONTROL OF JET TRANSPORT AIRCRAFT WHILE
PILOT RELIES ON GRAVITY VECTOR FOR ORIENTATION
INFORMATION A65-81728
- MARTIN, J. H.
HEALTH AND SAFETY BIOLOGICAL RESEARCH IN MOVEMENT
AND ACCUMULATION OF RADIOACTIVE MATERIAL AFTER
RADIATION EXPOSURE
PG-647/CC/ N65-25935
- MARTIN, P. J.
SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE
MEASUREMENT DURING RESTRAINT AND EXPOSURE TO
VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE
ACCELERATIONS AND FREQUENCIES A65-82368
- MARTIN, R. H.
HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS A65-81135
- MARTINEZ, D. M.
COCHLEAR MICROPHONICS MEASUREMENTS IN EXPERIMENTAL
ANIMALS AND IN MAN A65-81052
- MARTINEZ, H. M.
ANALOG COMPUTER MECHANIZATION OF HODGKIN- HUXLEY
EQUATIONS OF ACTION POTENTIALS FOR GIANT SQUID
AXONS
AD-608156 N65-11667
- ADAPTIVE PATTERN RECOGNITION AND DETECTION, AND
- ANALYTICAL PROBLEMS INHERENT TO PERCEPTORS
AD-608157 N65-15664
- MARTORANA, S. V.
PROGRAMMED INSTRUCTION AND TEACHING MACHINES
OAR-64-10 N65-10496
- MARUSEVA, A. M.
EVOKED POTENTIALS OF AUDITORY SYSTEM - COCHLEA AND
CEREBRAL CORTEX A65-81672
- MARYECHKIN, YE. F.
RADIATION POWER FLUX DENSITY OF RADAR ANTENNAS
MEASURED FOR EVALUATING WORKING CONDITIONS OF
AIRPORT RADAR INSTALLATIONS
FTD-TT-65-345/164 N65-32289
- MASEVICH, A. G.
EXISTENCE OF EXTRATERRESTRIAL LIFE BASED ON DATA
FROM ASTRONOMY, GEOCHEMISTRY AND BIOLOGY
JPRS-29591 N65-23321
- MASHKOVTSYEV, YU. V.
CHANGES IN LYMPH NODES OF DOGS FOLLOWING SPACE
FLIGHT N65-13735
- MASLEN, K. R.
DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING
SYSTEMS USING ELECTRICAL ANALOG A65-36822
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING
EQUIPMENT A65-82362
- MASLER, R. A.
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING A65-26172
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT A65-81375
- SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756
- MASLOV, S. P.
EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF
POLLEN OF PLANT TRANDESCANTIA PALUDOSA A65-81939
- MASLOVA, G. M.
EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF
POLLEN OF PLANT TRANDESCANTIA PALUDOSA A65-81939
- MASLYANENKO, S. V.
STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO
EFFECTS OF ACCELERATION N65-17746
- MASON, D. J.
INTAKE OF WATER, SODIUM CHLORIDE, AND SODIUM
BICARBONATE IN RAT AS AFFECTED BY WATER
DEPRIVATION AND THERMAL STRESS A65-81000
- MASON, J. K.
PATHOLOGISTS CONTRIBUTION TO AIRCRAFT ACCIDENT
INVESTIGATION SHOULD BE AIMED AT SAVING FUTURE
LIVES AS WELL AS ESTABLISHING CAUSE OF DEATH
A65-26000
- LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING
INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN
EQUATORIAL AFRICA A65-81517
- MASSA, R. J.
NIGHT AIRCRAFT CARRIER LANDING ACCIDENTS
ATTRIBUTED TO VISUAL ILLUSION INVOLVING
OVERESTIMATION OF ALTITUDE A65-30100
- MINIMUM ATTENTION DISPLAY TECHNIQUE PERMITS
MAXIMUM TRANSFER OF GUIDANCE INFORMATION TO
OBSERVER WITHOUT EXCESSIVE SENSORY COMMITMENT TO
DISPLAY A65-35171
- MASSEY, R. L.
NEW TECHNIQUE FOR MASS ASSAYS OF PHYSIOLOGICAL

- CHARACTERISTICS OF UNICELLULAR ALGAE
A65-82095
- MASSOPUST, L. C., JR.
EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN
HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM
A65-80155
- SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS
/PRAIRIE DOG AND GROUND SQUIRREL/ AND
NONHIBERNATORS /CAT AND GUINEA PIG/ DURING
HYPOTHERMIA
A65-81315
- MASSRY, S.
ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT
INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL
EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION
A65-80662
- MAST, T. E.
SHORT-LATENCY HUMAN MUSCLE AND BRAIN EVOKED
RESPONSES TO CLICKS
A65-81635
- MASTROLY, F. R.
ENVIRONMENTAL CONTROL SYSTEM INTEGRATION FOR
MANNED SPACE STATION
SAE PAPER 912C
A65-12909
- MASTROPAOLO, J. A.
VALIDITY OF PHONODARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE
A65-80079
- MASUDA, Y.
VISUAL EVOKED CORTICAL RESPONSE IN CAT
A65-81533
- MASUYAMA, E.
HUMAN TRACKING ABILITY FOR RECTANGULAR WAVES ON
DISPLAY USING HAND OR FOOT
A65-31344
- HUMAN ENGINEERING RESEARCH OF PURSUIT AND
COMPENSATORY TRACKING BEHAVIOR
A65-81760
- MATECZUN, A., JR.
PULSE DURATION MODULATION SYSTEM FOR LIFE SCIENCE
TELEMETRY
N65-16622
- MATHE, G.
ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY
IRRADIATION IN MAN
A65-80167
- MATHIVAT, A.
PROBLEMS POSED BY ATYPICAL VENTRICULAR
REPOLARIZATION DURING SELECTION AND CONTROL OF
FLYING PERSONNEL
A65-80126
- HEART ANOMALIES REVEALED BY TESTS DURING PERSONNEL
SELECTION AND EXAMINATION
A65-81821
- MATIC, O.
INFLUENCE OF HIBERNATION AND INTERMITTENT
HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGUTININS
IN GROUND SQUIRREL, CITELLUS CITELLUS
A65-81497
- MATIN, L.
THREE-DIMENSIONAL RECORDING OF ROTATIONAL EYE
MOVEMENTS BY NEW CONTACT-LENS TECHNIQUE
A65-81050
- MATIUSHKINA, N. A.
DISTURBANCE IN DAILY ROUTINE AND EFFECT ON
PROFESSIONAL WORKING CAPACITY OF MAN
A65-80047
- EFFECT OF ABRUPT DISTURBANCE OF DAILY RHYTHM OF
WORK-REST CYCLE ON WORK CAPACITY
A65-81340
- MATLINA, E. A.
ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF
NERVOUS SYSTEM
FTD-TT-63-1170/1&2
N65-11760
- MATOUSH, L. O.
COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282
N65-34517
- TRACE MINERAL LOSSES IN SWEAT
REPT.-284
N65-35035
- MATSUMURA, H.
VESTIBULAR EVOKED POTENTIALS IN RESPONSE TO
STIMULATION OF AMPULLAR NERVE ANALYZED IN
ANESTHETIZED CAT
A65-80463
- MATSYNIN, V. V.
BODY TEMPERATURE AND HEAT GENERATION DURING RADIAL
ACCELERATION STRESS IN RAT
A65-80050
- EFFECT OF INCREASE IN RADIAL ACCELERATION STRESS
ON FUNCTIONAL AND PHYSIOLOGICAL STATE OF ORGANISM
IN ALBINO RATS
A65-81700
- MATTER, L. E.
ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION
CAMERA AND CALIBRATED MONITOR
CRDL-TM-2-3
N65-22392
- MATTONI, R. H. T.
NEW TECHNIQUE FOR MASS ASSAYS OF PHYSIOLOGICAL
CHARACTERISTICS OF UNICELLULAR ALGAE
A65-82095
- MATTSON, R. H.
DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS
OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION,
HYPERVENTILATION, AND PHOTIC STIMULATION
A65-82032
- MATZKOWSKI, H.
POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE
JPRS-32340
N65-36205
- MAUCERI, A. J.
FEASIBILITY OF IDENTIFYING PERSONS BY ANALYZING
ACCELERATION AND PEN-PAPER CONTACT PATTERNS
GENERATED DURING SIGNATURE PROCESS
SID-65-24
N65-30559
- MAUCK, H. P., JR.
LIMB CIRCULATORY RESPONSE TO
HYPOCAPNIA IN ANESTHETIZED
DOG AS AFFECTED BY PHENOXYBENZAMINE
A65-80227
- RESPONSE MECHANISM IN DOGS OF CIRCULATION AND
CARDIOVASCULAR SYSTEM TO HYPOXIA
A65-81502
- MAUGERI, U.
CEREBRAL VASCULAR LESION IN CARBON DISULFIDE
POISONING - CASE HISTORY
A65-81693
- MAULSBY, R. L.
DATA RECORDINGS TO ORGANIZE NORMATIVE
ELECTROENCEPHALOGRAPHIC REFERENCE LIBRARY
N65-28775
- MAXFIELD, M. E.
HEART RATE USE FOR EVALUATING CARDIAC STRAIN
DURING TRAINING IN WOMEN
A65-80074
- MAXIE, E. C.
IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND
SHELF LIFE
UCD-34P80-2
N65-18999
- MAXWELL, D. S.
SMALL BLOOD VESSELS AND ORIGIN OF PHAGOCYTES IN
RAT CEREBRAL CORTEX FOLLOWING HEAVY PARTICLE
IRRADIATION
A65-81453
- MAXWELL, M. A.
ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF
SPACE VEHICLE CABIN ATMOSPHERES
N65-18381
- MAY, D. S.
CONSTANCY IN SIZE PERCEPTION RELATED TO FOVEAL
DIAMETER
A65-82082
- MAY, W.
KINETOSIN /A MIXTURE OF PROMETHAZINE, CAFFEINE,
AND EPHEDRINE/ AS A MOTION SICKNESS DRUG
A65-81740

- MAYER, C.
OXYGEN CARDIAL-ENERGY EQUILIBRIUM IN ABSENCE OF GRAVITY
NASA-TT-F-9562 N65-33806
- MAYER, S. R.
HUMAN ENGINEERING IN DESIGN OF TEACHING MACHINES
ESD-TDR-64-454 N65-14525
- MAYO, A. M.
UTILIZATION OF MAN AS PART OF AUTOMATIC, REMOTELY CONTROLLED AND DIRECTLY MANNED SPACE EXPLORATION SYSTEMS
SAE PAPER 650811 A65-34697
- MAYSKIY, I. M.
BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS
N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION
N65-34943
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI SPACECRAFTS
N65-34944
- MAYSKIY, V. A.
TRANSISTORIZED DIRECT CURRENT MILLIVOLTMETER CONSISTING OF ALTERNATE CURRENT AMPLIFIER AND COMPACT SILICON STABILITRON CONVERTERS
JPRS-30557 N65-25541
- EFFECT OF POTASSIUM ION CONCENTRATION ON ELECTRICAL CHARACTERISTICS OF NEURON MEMBRANES OF GRAPE SNAIL
N65-32661
- MAYZNER, M. S.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH VARIED MASKING RING SIZE
A65-82286
- MAZEAS, R.
NEW AUDIOMETRIC MEASURES OF AUDITORY CAPACITY
A65-82237
- MAZESS, R. B.
DIET SURVEY OF QUECHUA INDIANS AT HIGH ALTITUDE IN PERUVIAN ANDES
A65-80449
- MAZIN, A. N.
EFFECT OF PARACHUTE JUMPS ON PERSONS IN DIFFERENT AGE GROUPS
N65-13776
- MAZOKHIN-PORSHNYAKOV, G. A.
COLOR PERCEPTION IN BEES AND OTHER INSECTS
JPRS-31713 N65-32011
- MAZURENKO, T. I.
ADAPTATION TO HYPOXIA IN PATIENTS WITH HYPERTONIA OR HYPERTENSION
N65-17795
- MAZY, F. W.
INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- MAZZA, G.
SURGERY IN CASES OF OTOSCLEROTIC DEAFNESS IN FLYING PERSONNEL
A65-80217
- MAZZARELLA, J. A.
HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE, BLOOD LACTATE, AND RECTAL TEMPERATURE OF UNACCLIMATIZED MEN EXERCISING IN HOT ENVIRONMENTS
A65-81135
- MAZZELLA, G.
HYPOXIA EFFECT ON SUCCESS OF SECOND HOMOLOGOUS GRAFT OF BONE MARROW IN PREVIOUSLY IRRADIATED AND GRAFTED MICE
A65-12885
- HISTOLOGICAL STUDY OF ORGANS OF MICE IRRADIATED WITH CO 60 AND GRAFTED WITH HOMOLOGOUS BONE
- MARROW A65-20985
- HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE MARROW OF MICE TWICE IRRADIATED WITH COBALT 60 DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE MARROW
A65-81265
- ERYTHROCYTE AND LEUKOCYTE SEDIMENTATION RATE OF ITALIAN AIR FORCE PILOT CANDIDATES EXPOSED TO ANOXIA
A65-81796
- PEROXIDASE, ALKALINE PHOSPHATASE, POLYSACCHARIDE, AND MITOCHONDRIA OF RABBIT LEUKOCYTE AS AFFECTED BY ANOXIA IN DECOMPRESSION CHAMBER
A65-81841
- MC ARTHUR, W. H.
PREVENTION OF INFECTIONS AND HEMORRHAGIC MANIFESTATIONS FOLLOWING SEVERE RADIATION DAMAGE TO BONE MARROW AND LYMPHATIC STRUCTURES
N65-25661
- SHIFT IN DISTRIBUTION OF BODY NITROGEN IN IRRADIATED MICE WITH HOMOLOGOUS MARROW GRAFTS
N65-25662
- MC ARTHUR, W. J.
CORONARY FLOW DECREASE IN RESPONSE TO HYPOCAPNIA INDUCED BY HYPERVENTILATION IN ANESTHETIZED DOGS
A65-16553
- MC CAIN, G.
EFFECT OF PROTECTIVE FILTERS AND LENSES ON COLOR JUDGMENT BY HUMANS
NASA-CR-63766 N65-27956
- MC CARTHY, E. D.
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION YEARS OLD
A65-23841
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR ABIOLICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- MC CLELLAN, R. O.
GASTROINTESTINAL ABSORPTION OF THREE RADIONUCLIDES POTENTIALLY USABLE IN SNAP AUXILIARY POWER DEVICE STUDIED IN MINIATURE SWINE
A65-16556
- MC CLERNAN, L. M.
CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM DISCOMFORT TO PILOT DURING ACCELERATION, VIBRATION AND/OR SHOCK
A65-30013
- MC CLESKEY, C. S.
MICROBIAL OXIDATION OF HYDROCARBON GASES
AD-609207 N65-18279
- MC CLOTHLEN, C. L.
HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE, PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND PERFORMANCE
A65-29990
- MC CONNELL, J. R.
BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- MC COOK, R. D.
SUDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING ENVIRONMENTAL TEMPERATURE
A65-81133
- MC CORNICK, E. J.
HUMAN FACTORS ENGINEERING
A65-81060
- MC CRANK, J. M.
TORQUE FREE ROTATIONAL DYNAMICS OF VARIABLE CONFIGURATION BODY - APPLICATION TO WEIGHTLESS MAN
GA/ME/64-19 N65-27420
- MC CRAW, L. W.
FOREARM POSITION VARIATION EFFECT ON ELBOW FLECTION DURING CHINNING EXERCISE
A65-80521

- MC CRUM, W. R.
STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- MC CULLOCH, W. S.
ONTOLOGICAL SIGNIFICANCE OF ENTITIES WITH RESPECT
TO EFFECT ON LOGICAL STRUCTURE OF MIND -
PHILOSOPHICAL FOUNDATION FOR PSYCHOLOGY AND
PSYCHIATRY - GESTALT THEORY
NASA-CR-63609
N65-27388
- MC DERMOTT, W.
PERCEPTION OF OBJECTS IN TERMS OF VISUAL ANGLE
A65-80507
- MC DONALD, T. A.
IDENTIFICATION AND ELIMINATION OF SOURCES OF
HUMAN-INDUCED EQUIPMENT FAILURES IN COMPLEX
SYSTEMS, CONSIDERING PROBABILITY OF ERROR
A65-34678
- MC DONOUGH, R. C.
MOTION SICKNESS UNDER CONDITIONS OF STRESS AND
ANXIETY - ROLE OF VESTIBULAR APPARATUS
NASA-CR-64879
N65-33921
- MC DONOUGH, R. G.
EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW
MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800
N65-28539
- MC DOWELL, A. A.
RADIATION EFFECT ON FOOD SATIATION IN RHESUS
MONKEY
A65-81546
- MC DOWELL, M. E.
ALGAE SYSTEMS FOR NUTRITION IN SPACE FLIGHT
N65-18594
- MC ELHANEY, J. H.
STRAIN RATE SENSITIVITY OF BIOLOGICAL MATERIAL -
DYNAMIC RESPONSE AND MECHANICAL PROPERTIES OF
BONE AND MUSCLE TISSUE UNDER VARYING VELOCITY
IMPACT
NASA-CR-62440
N65-22653
- MC FADDEN, E. B.
TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE AND
ZINC SULFIDE PHOSPHOR AS SAFETY DEVICE TO PROVIDE
VISUAL GUIDANCE DURING NIGHT DITCHING
A65-26172
- PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
- TRITIUM SELF-LUMINOUS LIFE RAFT LIGHT SOURCE
FACILITATING SURVIVAL OF OCCUPANTS OF DITCHED
COMMERCIAL AIRCRAFT
A65-81375
- HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7
N65-18409
- FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT
PASSENGER SEAT CUSHIONS
N65-29755
- SELF-LUMINOUS LIGHT SOURCE DESIGNED AS AID FOR
EVACUATING AIRCRAFT AND BOARDING LIFE RAFT
N65-29756
- MC FARLAND, A. R.
CHARACTERISTICS OF IMPACTION AND BIOLOGICAL
FILTRATION AEROSOL COLLECTION MECHANISMS IN
STRATOSPHERE
N65-23985
- MC GAVACK, T. H.
SIMULTANEOUS STUDY OF THYROID, GONADS, AND ADRENAL
FUNCTION IN AGING MEN FOR ASSESSING PHYSIOLOGICAL
AGE OF INDIVIDUAL
A65-81862
- MC GHIE, A.
IMMEDIATE MEMORY FOR AUDITORY AND VISUAL STIMULI
RELATED TO AGE
A65-80864
- MC GOUGH, W. E.
PATTERNS OF FAT MOBILIZATION IN FIELD-DEPENDENT
AND FIELD-INDEPENDENT SUBJECTS
A65-81406
- MC GRATH, J. J.
FACTORS INFLUENCING JUDGMENT OF HUMAN
PERFORMANCE - PSYCHOLOGY
TR-4
N65-13512
- INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT
TR-751-3
N65-15105
- GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4
N65-34537
- MC HALE, T. J.
APPARENT VERTICALITY- FUNDAMENTAL
VARIABLES OF SENSORY-TONIC
THEORY REINVESTIGATED
A65-80239
- MC HUGH, M. J.
TRANSISTORIZED RADIATION MONITOR
A65-80759
- MC ILROY, M. B.
CARDIOVASCULAR RESPONSES MEDIATED BY
SYMPATHETIC NERVOUS SYSTEM TO ICE-COLD SHOWERS
A65-80075
- MC INTOSH, H. D.
CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION
A65-81204
- MC KECHNIE, D. F.
SPEED AND ACCURACY OF TARGET RECOGNITION BY
NAVIGATORS USING SIDE-LOOKING RADAR DURING
AERIAL RECONNAISSANCE
AMRL-TR-64-101
N65-14001
- MC KEE, D. D.
GEMINI PROGRAM - ADVANCES IN OPERATIONAL
CAPABILITY DURING FLIGHT, RENDEZVOUS,
EXTRAVEHICULAR OPERATIONS AND REENTRY
A65-81280
- MC KEE, J. E.
LIQUID WASTES AND WATER POTABILITY IN SPACE
VEHICLES
N65-18590
- MC KENDRY, J. M.
INFORMATION - INDEXING APPROACH TO PREDICT
DECISION ADEQUACY IN ANTISUBMARINE AND
ANTI-AIRCRAFT WARFARE
REPT.-567-R-2
N65-28334
- MC KENZIE, R. E.
PREMISSION CREW CONDITIONING AND FLIGHT
SIMULATION, DETERMINING EFFECT OF SECOBARBITAL
TAKEN NIGHT BEFORE AND D-AMPHETAMINE TAKEN DURING
MISSION
A65-32636
- PILOT PROFICIENCY DURING SIMULATED MISSION OF HIGH
PERFORMANCE FIGHTER AIRCRAFT AS INFLUENCED BY
SECOBARBITAL AND D-AMPHETAMINE
A65-81734
- PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- SECOBARBITAL AND D-AMPHETAMINE EFFECTS ON PILOTING
PERFORMANCE DURING SIMULATED TACTICAL AIR
MISSION
N65-18379
- MC KINNON, P.
FVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING
FUSION MOVEMENTS IN LIGHT ADAPTED EYES
A65-80509
- MC KITRICK, K. G.
BODILY ACTIVITY AND PERCEPTUAL ACTIVITY
A65-81652
- MC KNIGHT, A. J.
ELECTRONICS MAINTENANCE TRAINING REQUIREMENTS -
IDENTIFICATION FOR DEVELOPMENT AND EVALUATION
OF EXPERIMENTAL ORDNANCE RADAR REPAIR COURSE
HUMRRO-RR-15
N65-17618

- MC LAREN, A. D.
ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585 N65-20625
- MC LAUGHLIN, J. S.
PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND
MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY
A65-80176
- MC LAUGHLIN, S. C.
BINOCULAR FUSION NOT AFFECTED BY OBSERVER
INTERPRETATION OF STIMULUS A65-80686
SELECTIVE INTERMANUAL TRANSFER OF ADAPTIVE EFFECTS
DURING ADAPTATION TO PRISM A65-82282
- MC LEAN, C. E.
SIMPLIFIED TECHNIQUE FOR OFFICE EXERCISE
ELECTROCARDIOGRAPHY A65-82102
- MC LEOD, G. C.
PHOTOSYNTHETIC REACTIONS DURING REGREENING OF
ALGA CHLAMYDOMONAS REINHARDI
AFCL-64-342 N65-24455
- MC LEOD, M. E.
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION
NASA-CR-67539 N65-36425
MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- MC MANN, H. J.
EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- MC MECHEN, A.
NURSING CARE IN CASES OF HEAD INJURY OF PERSONNEL
AT CAPE KENNEDY MISSILE RANGE A65-82080
- MC NALL, E. G.
CULTURING TECHNIQUES FOR DETECTION OF VIABLE
MICROORGANISM INOCULATED INTO SOLID MATERIALS
NASA-CR-62980 N65-24899
- MC NAMARA, J. L.
RELATIONSHIP OF SYNTACTIC LANGUAGE BEHAVIOR TO
GRAMMAR AND SEMANTICS OF WORD ASSOCIATION
RAD-C-TDR-64-146 N65-15779
- MC PHAUL, J. J., JR.
URIC ACID BALANCE AS AFFECTED BY STARVATION, HIGH
FAT DIETS, AND KETONE INFUSIONS A65-80515
- MC PHERSON, R. R.
HEART RATE, BODY TEMPERATURE, AND SWEAT RATE
RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND
CAUCASIANS A65-80068
- MC TEE, A. C.
PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
DISPLACEMENT FUNCTION, AND TARGET VELOCITY
A65-82361
HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING
AD-612726 N65-26118
- MCCAW, B. K.
ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS
DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS
SIMULATOR A65-30683
- MCGLOTHLEN, C. L.
HEAT AND NOISE EFFECTS ON PILOT PERFORMANCE,
PHYSIOLOGY AND SUBJECTIVE ESTIMATES OF COMFORT AND
PERFORMANCE A65-29990
- MEBEL, P. E.
RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE A65-80667
- MEDA, E.
KINETICS OF REACTION OF HUMAN
HEMOGLOBIN WITH CARBON MONOXIDE A65-80279
- MEDER, J.
EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN
HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM
A65-80155
SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS
/PRAIRIE DOG AND GROUND SQUIRREL/ AND
NONHIBERNATORS /CAT AND GUINEA PIG/ DURING
HYPOTHERMIA A65-81315
- MEDLAND, F. F.
CROSS GROUP STABILITY OF PEER RATINGS OF
LEADERSHIP POTENTIAL A65-81589
- MEDYEDEV, D. I.
MORPHOLOGICAL CHANGES IN CEREBRAL CORTEX OF DOGS
FOLLOWING TRANSVERSE ACCELERATION N65-13736
- MEEHAN, J. P.
ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR A65-24077
VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE A65-81064
VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE
DETERMINATION - AEROSPACE MEDICINE
SAM-TR-65-27 N65-35036
- MEEK, J. C.
THRESHOLD CALORIC TEST ON NORMAL SUBJECTS -
RESPONSES TO HOT AND COLD CALORIC STIMULATION
NASA-CR-67539 N65-36425
- MEES, E. J. D.
CASE HISTORY OF CARBON TETRACHLORIDE POISONING
MANIFESTING AS KIDNEY DISEASE A65-82034
- MEESMANN, W.
RESPIRATORY AND CIRCULATORY CHANGES AFTER
EXPERIMENTAL FAT EMBOLISM IN DOGS A65-81688
- MEFFERD, R. B., JR.
REPETITIVE PSYCHOMETRIC MEASURES BATTERY - ADDITIO
OF SPATIAL ORIENTATION TEST A65-81628
- MEGIGHIAN, D.
MODIFICATIONS OF BARANY APPARATUS AND TECHNIQUE
FOR EVOKING OPTOKINETIC NYSTAGMUS A65-81612
- MEHELAS, J. N.
RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION
STRESSES
NASA-CR-236 N65-32926
- MEHRA, K. S.
RETINITIS FROM OVEREXPOSURE TO SOLAR
ECLIPSE- VISUAL IMPAIRMENT AND TREATMENT A65-80267
- MEI, S. S.
CARBON DIOXIDE AND PULMONARY VENTILATION IN
MUSCULAR EXERCISE OF DOG A65-80071
- MEI, S.-C.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE N65-23374

- MEIGHAN, T. W.
CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE,
WARNING LIGHT MONITORING, AND PROBABILITY
MONITORING TASKS AS FUNCTION OF WORKLOAD
AMRL-TR-65-22 N65-27092
- MEIGS, J. R.
IONIZING IRRADIATION EFFECT ON CENTRAL NERVOUS
SYSTEM OF CATS AND RATS, AND ON NEURONS AND
NEUROGLIA IN TISSUE CULTURE - X-RAY IRRADIATION
NASA-CR-52231 N65-17068
- MEINER, G.
EKG INVESTIGATION OF RIGHT INTRAVENTRICULAR
CONDUCTION IN FLIGHT CADETS IN ACUTE ANOXIC ANOXIA
A65-20986
- HUMAN LOCOMOTION IN SIMULATED LUNAR GRAVITY AND
SURFACE A65-32792
- LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE
AND GRAVITATIONAL CONDITIONS A65-81994
- MEINSCHEIN, W. G.
HYDROCARBONS OF TERRESTRIAL SAMPLES AND ORGUEIL
METEORITE ANALYZED, SHOWING THAT ALKANES ARE BEST
INDICATORS OF FORMER LIFE ON EARTH A65-30688
- MEIRY, J. L.
CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN
CONTROL SITUATIONS LIMITED TO USE OF VISUAL
VESTIBULAR SENSING OF MOTION A65-22032
- MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE
VEHICLES COVERING GENERAL CONTROL PATTERNS AND
CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND
LIMITS A65-34986
- MOTION SENSORS OF VESTIBULAR SYSTEM IN HUMAN
DYNAMIC SPACE ORIENTATION AND MANUAL VEHICLE
CONTROL
NASA-CR-64545 N65-32033
- MEISSINGER, H. F.
CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM A65-35474
- TECHNIQUES FOR PARAMETER DETERMINATION IN
MATHEMATICAL MODELS OF HUMAN PILOT
NASA-CR-143 N65-14848
- MEISTER, D.
MULTIPLICATIVE PROBABILITY MODEL DEVELOPMENT FOR
PREDICTING HUMAN RELIABILITY IN MAN-MACHINE
SYSTEM, USING PROBABILITY TREE A65-34677
- MELEKHOVA, A. M.
SIMPLE MICROMANIPULATOR FOR INSERTION OF
ELECTRODES INTO BRAIN OF EXPERIMENTAL ANIMALS
A65-81279
- MELKUMOVA, G. G.
PASSAGE OF AUDIBLE ULTRASONIC VIBRATIONS THROUGH
HUMAN SKULL BONES A65-80802
- MELLEROWICZ, H.
EVALUATION OF EXERCISE ELECTROCARDIOGRAM FOR
NORMAL RANGE BASED ON DATA FROM HEALTHY MEN
A65-82211
- MELMED, R. N.
CLINICAL AND THERAPEUTIC ASPECTS OF 200 CASES OF
KEROSENE POISONING A65-80531
- MELNICHENKO, V. D.
HYPOXIA DEVELOPMENT MECHANISM IN CARDIOVASCULAR
SYSTEM DISEASE N65-17799
- MELNICHUK, S. P.
INFLUENCE OF MOUNTAIN CLIMATE ON PULMONARY
FUNCTION IN BRONCHIAL ASTHMA PATIENTS
N65-17830
- MELNIKOV, V. G.
ANESTHESIA INDUCED BY ELECTRIC CURRENT - VARIOUS
METHODS AND THEIR USE ON DOGS AND HUMANS
- JPRS-29435 N65-20835
- MELTON, A. W.
COMPATIBLE AND INCOMPATIBLE DISPLAY-CONTROL
DEVICES FOR TESTING MEMORY RETENTION
REPT.-02855-1-F N65-12653
- MELTON, C. E., JR.
PHYSIOLOGICAL TESTS ON PILOTS OPERATING FLIGHT
SIMULATOR
AM-64-18 N65-15209
- MELVILLE, G. S., JR.
THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS
N65-18387
- MELVILLE, K. I.
COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE A65-80159
- MENDELL, L. M.
STEADY ARRIVAL OF CUTANEOUS IMPULSES AT SPINAL
CORD RESULTS IN STEADY DEPOLARIZATION OF PASSIVE
AFFERENT TERMINALS A65-16316
- RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO
PERIPHERAL CUTANEOUS UNMYELINATED FIBERS
A65-22352
- MENDUKE, H.
TEMPORARY AND PERMANENT HEARING LOSS DURING
PROLONGED EXPOSURE TO NOISE A65-80660
- MENGEL, C. E.
EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-
HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO
OXYGEN UNDER HIGH PRESSURE A65-81129
- SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION A65-82358
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE A65-82360
- MENKES, C. K.
COBALT-60 USED TO OBTAIN EXPOSURE MEASUREMENTS/OR
DOSIMETRY IN AIR AND DEPTH DOSES IN MASONITE
PHANTOM FOR RADIATION EXPERIMENTS INVOLVING
SHEEP
USNRDL-TR-842 N65-30503
- MENNINGER, R. P.
LUNG, VISCERA, AND SURVIVAL OF ANESTHETIZED DOG
DURING REPEATED, PROLONGED, LOW INTENSITY POSITIVE
ACCELERATION EXPOSURE A65-82126
- MENON, N. D.
HIGH-ALTITUDE PULMONARY EDEMA IN MOUNTAIN
INHABITANTS - CLINICAL STUDY A65-81591
- MENZIO, P.
COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING
SOUND STIMULATION AND HYPOTHERMIA
A65-82306
- MEPHAM, C. A.
EVALUATING P H CHANGES IN UTERUS OF FEMALE
REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR
CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES
NASA-TM-X-51875 N65-33711
- MERAYO, F.
SCREENING AND SELECTION OF SPANISH PILOTS
A65-81778
- MERCER, J.
GT-4 CREW EXTRAVEHICULAR ACTIVITY SPACESUIT
A65-81162
- MERCER, T. T.
APPARATUS WITH PLETHYSMOGRAPH TO MONITOR
RADIOACTIVE CONTAMINATION IN CANINE RESPIRATORY
SYSTEM

- LF-16 N65-11573
- MERCHANT, J.
HUMAN VISUAL SENSE ANALYZED IN TERMS OF SAMPLING
OPERATION RESTRICTED TO BLACK AND WHITE,
NONSTEREOSCOPIC PHOTOPIC VISION, GIVING RETINA
MODEL A65-35344
- SAMPLING THEORY FOR HUMAN VISUAL SENSE
NASA-CR-60618 N65-16657
- MERCIER, A.
VISION AND EFFECTS OF SUPERSONIC FLIGHT
ENVIRONMENT A65-81787
- MEREDITH, O. M.
SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN
PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS
A65-22752
- MERICLE, L. W.
BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423
- MERICLE, R. P.
BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423
- MERMAGEN, H.
EFFECT OF WIDE X-RAY BEAM AND FINITE PHANTOM
THICKNESS ON 1000 KPV X-RAY DEPTH DOSE
UR-667 N65-29886
- MERRIFIELD, A. J.
AIR TRANSPORTATION OF PATIENTS IN ROYAL AIR FORCE
WITH RESPIRATORY PARALYSIS A65-80953
- MERRIMAN, T. S.
HUMAN PERFORMANCE IN PILOTING MODIFIED GEMINI
SPACECRAFT DURING TERMINATION OF RENDEZVOUS
MISSION
LMSC-6-62-64-13 N65-11016
- MERRITT, J. A., JR.
METHYLENE BLUE IN TREATMENT OF DECABORANE TOXICITY
IN RABBIT A65-81034
- MERTZ, W.
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING A65-81732
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- MESSICK, D. M.
MULTIPLE-CHOICE DECISION BEHAVIOR INFLUENCED BY
TWO DIFFERENT PAYOFF FUNCTIONS A65-80514
- EXPECTED VALUE AND RESPONSE UNCERTAINTY IN
MULTIPLE CHOICE DECISION BEHAVIOR A65-81984
- STRATEGY FOR SAMPLING FROM BINOMIAL DISTRIBUTION
MAXIMIZING DECISION-MAKERS GAIN WITHOUT REGARD
TO ERROR PROBABILITIES - DERIVATION OF BETA
BINOMIAL PROBABILITY FUNCTION
ESD-TDR-64-605 N65-26109
- NUMBER OF TERMINAL ACTS AND PRIOR INFORMATION
EFFECTS ON SEQUENTIAL INFORMATION SEEKING -
DECISION THEORY
ESD-TDR-64-606 N65-26121
- MESSIN, R.
INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS A65-80673
- A SIMPLE WORK CAPACITY TEST - CT170, A CARDIAC
FUNCTION TEST A65-82356
- METCALF, T. G.
BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL
- DURING HIBERNATION AND INDUCED HYPOTHERMIA
AAL-TDR-63-21 N65-10255
- METLAY, W.
ORIENTATION ACCURACY IN VISUALLY HOMOGENEOUS
ENVIRONMENT AS FUNCTION OF STIMULUS AND VISUAL
FIELD SIZE A65-80570
- TARGET AND VISUAL FIELD SIZE EFFECT ON ORIENTATION
ACCURACY IN ENVIRONMENT DEVOID OF DETAIL
NAVTRADEVCE-1H-13 N65-10260
- VERTICAL ORIENTATION OF TARGET
NAVTRADEVCE-1H-19 N65-16753
- METZ, B.
BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN
RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT
A65-80910
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING
DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS
AND NATIVES A65-80959
- METZ, E.
EFFECTS OF HYPEROXIA ON ERYTHROCYTES IN VIVO-
HEMOLYSIS IN HUMAN ORGANISM AFTER EXPOSURE TO
OXYGEN UNDER HIGH PRESSURE A65-81129
- METZGER, E. C.
CLINICAL STUDY OF ACUTE MOUNTAIN SICKNESS-
HYPOXIA AND POSSIBLE PROPHYLAXIS WITH POTASSIUM
A65-81398
- MEURER, K.-A.
THERMOREGULATION IN DOG DURING INTERNAL COOLING
AFTER SECTION OR COLD BLOCKADE OF VAGAL NERVES
A65-81351
- MEYER, D. E.
COMPARISON OF SELF-STUDY TECHNIQUE WITH
CONVENTIONAL CLASSROOM MODELS AS MEANS OF
REFRESHER TRAINING OF AIRCREWS UNDER OPERATIONAL
CONDITIONS
AMRL-TR-65-83 N65-30298
- MEYER, E.
TIME JUDGMENT CORRELATED WITH PULSE RATE
A65-80258
- TIME JUDGMENT- COMPARISON OF METHODS OF
REPRODUCTION AND ESTIMATION A65-81031
- MEYER, F. R.
RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK
A65-81631
- MEYER, J. S.
ELECTROENCEPHALOGRAPHIC CHANGES DURING
HYPERVENTILATION IN MAN A65-81080
- MEYER, L. N.
THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE
VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY
N65-13644
- MEYER, M. E.
ABILITY OF PIGEON TO DISCRIMINATE SOLAR
MOVEMENT AND RELATION TO ASTRONAVIGATION
A65-80237
- MEYER, R. A.
ELECTRON STERILIZATION OF CONTAMINATED FOOD -
RADIOBIOLOGY AND DECONTAMINATION
FD-6 N65-25641
- MEYER, S. W.
BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS
ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN
RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279
- MEYER, W. L.
ANTIRADIATION EFFECTS OF LONG CHAIN ALKYL
DERIVATIVES OF MERCAPTOETHYLGUANIDINE GIVEN MOUSE

- EXPOSED TO LETHAL DOSES OF X-RADIATION
A65-81033
- MEYERS, F. H.
TOXIC EFFECTS OF PENTABORANE AND DECBORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49
N65-30346
- ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48
N65-31081
- MEYERS, J. H.
RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6
N65-19655
- MEYSEL, M. N.
CYTOPHYSIOLOGICAL AND BIOCHEMICAL INVESTIGATIONS
OF MICROORGANISMS DURING RESTORATION FOLLOWING
RADIATION INJURY
N65-15677
- FLUORESCENCE MICROSCOPY IN RADIOBIOLOGICAL
INVESTIGATIONS OF NUCLEOPROTEIN CHANGES IN
IRRADIATED BIOLOGICAL CELLS
N65-23457
- MEYZEROV, YE. S.
EFFECT OF SPACE FLIGHT ACCELERATION, VIBRATION,
AND IONIZING RADIATION ON OXYGEN METABOLISM AND
FUNCTIONS OF CENTRAL NERVOUS SYSTEM
NASA-TT-F-9425
N65-27711
- MEZENTSEV, A. I.
EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS
A65-82029
- EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN
ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN
RABBITS
A65-82030
- MEZENTSEVA, N. V.
TOXICOLOGICAL EFFECTS OF THREE SYNTHETIC RUBBERS -
ANIMAL STUDY
JPRS-30850
N65-27033
- MEZENTSEVA, Z. D.
EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS
A65-82029
- MIAO, S.-P.
ORGANIC PEROXIDE FORMATION IN RADIOBIOLOGICAL
STUDIES ON MICE, AND RELATIONSHIP BETWEEN
ORGANIC PEROXIDES AND MERCAPTO COMPOUNDS -
X-RAY EXPOSURE
N65-23374
- MIASNIKOV, V. I.
ELECTROENCEPHALOGRAPHIC CHANGES IN PERSONS
ISOLATED FOR LONG PERIODS OF TIME
A65-80858
- MICHAEL, P. L.
EAR PROTECTORS - USEFULNESS AND LIMITATIONS
WITH VARIOUS NOISES
A65-81109
- MICHAELSON, M.
WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF
DOG DURING EXPOSURE TO TWO LEVELS OF PULSED
MICROWAVES
A65-82364
- MICHAELSON, S. M.
MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS
RELATED TO RADIATION INTENSITY AND EXPOSURE TIME
A65-82061
- BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL
INDICES, AND SURVIVAL OF DOG DURING X-RAY
IRRADIATION OF LOWER BODY
A65-82365
- MICHEL-WOLWERTZ, M. R.
CHLOROPHYLLS SEPARATED BY PAPER CHROMATOGRAPHY
FROM CHLORELLA VULGARIS EXTRACTS
A65-81323
- MICHEL, C. C.
CROSS-CIRCULATION TECHNIQUE IN DOG IN STUDYING
VENTILATORY RESPONSES TO ALVEOLAR CARBON DIOXIDE
TENSION
A65-80070
- CARBON DIOXIDE AND PULMONARY VENTILATION IN
MUSCULAR EXERCISE OF DOG
A65-80071
- MICHEL, E. L.
PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS
CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND
GEMINI PROJECTS
NASA-TN-D-2506
N65-14451
- HAZARD OF BENDS FOLLOWING RAPID DECOMPRESSION
AFTER PROLONGED EXPOSURE TO OXYGEN-NITROGEN
CABIN ATMOSPHERE
N65-14452
- PREPARATION, HANDLING, AND STORAGE OF FOOD FOR
MERCURY, GEMINI, AND APOLLO SPACE PROJECTS
N65-18574
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697
N65-21473
- MICHEL, K. M.
MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF
POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN
EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL
STRESS ON HUMAN PERFORMANCE
AMRL-TR-65-39
N65-32928
- MICHLER, H.
MASKING NOISES - SOUND LEVEL AND BANDWIDTH AND
SIGNIFICANCE IN AUDIOMETRY
A65-81770
- MICHON, J. A.
METHOD FOR MEASURING PERCEPTUAL MOTOR LOAD
A65-80349
- WEBER-FECHNER LAW AND DIFFERENTIAL SENSITIVITY IN
PERCEPTION OF TEMPORAL INTERVALS
A65-81360
- SUBJECTIVE TIME MEASUREMENT DURING TASKS WITH
DIFFERENT INFORMATION CONTENT
A65-81954
- MIEHLE, W.
DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW
A65-18291
- MIETKIEWSKI, E.
ULTRAVIOLET RADIATION EFFECT ON BLOOD SUGAR LEVEL
IN RABBITS
A65-80837
- MIGLER, B.
TIMING BEHAVIOR AND STIMULUS TRAINING ON TWO MALE
ALBINO RATS
NASA-CR-53693
N65-17052
- MIHARA, S.
METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN
CHLORELLA CELLS
A65-80704
- MIJUSKOVIC, B.
PULMONARY FUNCTION IN SITTING OR HORIZONTAL
POSITION DURING BED REST
A65-82312
- MIKAELIAN, D.
VESTIBULAR RESPONSE TO SOUND - SINGLE UNIT
RECORDING FROM VESTIBULAR NERVE IN FENESTRATED
CAF MICE
A65-81537
- MIKEROVA, N. S.
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS
N65-13681
- MIKHAYLOV, V. P.
REPARATIVE REGENERATION OF VARIOUS TISSUES OF
ANIMALS UNDER EFFECT OF IONIZING RADIATION
JPRS-29904
N65-23052
- MIKHAYLOVSKIY, B. P.
EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS
N65-13627
- MIKHEYEV, A. P.
EFFECT OF NOISE LEVEL ON WORK EFFICIENCY
A65-81703

- EFFECT OF NOISE LEVEL ON WORKING PERFORMANCE
OF HUMANS N65-28297
- MIKHNEV, A. L.
HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE N65-17792
- MIKLICH, F. J.
WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374 N65-14326
- MILAN, F. A.
COLD LAND SURVIVAL CAPABILITIES OF AIR FORCE
PILOTS WEARING FULL PRESSURE HIGH ALTITUDE
FLYING OUTFIT
AAL-TDR-64-23 N65-24082
- THERMAL EVALUATION OF FOOTGEAR ASSOCIATED WITH
FULL PRESSURE HIGH ALTITUDE FLYING OUTFIT
AAL-TR-64-25 N65-33319
- MILENKOVIC, D.
ETHYLENE GLYCOL POISONING - CLINICAL, PATHOLOGIC,
AND TOXICOLOGIC OBSERVATIONS A65-80820
- MILES, J. R.
STERILIZATION PROCEDURES FOR PLANETARY SPACECRAFT
PROBES ENSURING CLEAN COMPONENT MANUFACTURE AND
HARDWARE ASSEMBLY A65-25914
- MILHAUD, A.
INHALATION OF COLD DRY AIR AND WELL TOLERANCE BY
HUMAN A65-80106
- MILKOV, L. E.
CHANGES IN BIOELECTRIC CEREBRAL ACTIVITY AND
CERTAIN VEGETATIVE VASCULAR REACTIONS RESULTING
FROM ACTION OF NOISE A65-81191
- MILLAHN, H. P.
OXYGEN COST OF BREATHING DURING RESPIRATION
AGAINST PRESSURE A65-80327
- MILLER, A. B.
OPERATIONAL PROBLEMS OF MANUALLY GUIDED AND
CONTROLLED REENTRY VEHICLES
NASA-CR-331 N65-36773
- MILLER, A. K.
RESTRAINTS IMPOSED ON MAN WEARING PRESSURE SUIT -
LIFE SUPPORT SYSTEM REQUIREMENTS, DECREMENTS IN
MOBILITY AND DEXTERITY, AND EFFECTS ON HUMAN
PERFORMANCE
LMSC-6-62-64-19 N65-31557
- MILLER, A. T., JR.
HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN
SYNTHESIS IN RAT TISSUES A65-81473
- MILLER, C.
IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- MILLER, D. C.
EFFECTS OF PERFORMANCE SCORING CRITERIA ON
COMPENSATORY TRACKING BEHAVIOR A65-35476
- MILLER, E. F.
CLINICAL, BIOCHEMICAL, AND PSYCHOPHYSIOLOGIC
RESPONSE OF AVIATOR DURING ROTATING ENVIRONMENT
EXPOSURE WHILE IN FLIGHT TRAINING
A65-81732
- MILLER, E. F., II
ROTATING ENVIRONMENT EFFECTS IN HUMANS DISCUSSING
CLINICAL SYMPTOMS, LABORATORY FINDINGS AND
PSYCHOPHYSIOLOGY A65-32632
- MAGNITUDE OF GRAVITATIONAL FORCE, INDEPENDENT
VARIABLE IN EGOCENTRIC VISUAL LOCALIZATION OF
HORIZONTAL-SPACE PERCEPTION
NASA-CR-67538 N65-36426
- COMPARISON OF AUTOKINETIC MOVEMENT PERCEIVED BY
NORMAL PERSONS AND DEAF SUBJECTS WITH BILATERAL
- LABYRINTHINE DEFECTS - AEROSPACE MEDICINE
NASA-CR-67520 N65-36432
- MOTION SICKNESS STUDIES OF AVIATORS EXPOSED TO
ROTATING ENVIRONMENT - AEROSPACE MEDICINE
NASA-CR-67553 N65-36553
- MILLER, F. E.
OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY
REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS
A65-34269
- MILLER, G. D.
FOVEAL FLICKER FUSION USING MOVING STIMULUS
A65-82333
- MILLER, G. K., JR.
FIXED BASE SIMULATOR STUDY OF PILOT ABILITY TO
PERFORM SOFT LUNAR LANDING WITH SIMPLIFIED
GUIDANCE TECHNIQUE
NASA-TN-D-2993 N65-35060
- MILLER, H.
PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE A65-80670
- PULMONARY CIRCULATION IN ACCLIMATIZED MAN AT HIGH
ALTITUDE AS AFFECTED BY BREATHING PURE OXYGEN
A65-80671
- MILLER, H. I.
PLASMA FREE FATTY ACID TURNOVER IN DOG DURING
EXERCISE AS RELATED TO PHYSICAL CONDITION AND
BLOOD LACTATE A65-80680
- MILLER, J. D.
NOISE USED TO ELIMINATE ONE EAR FROM MASKING
EXPERIMENTS A65-81075
- MILLER, J. D. A.
UTILIZATION OF GLUTAMINE BY VARIOUS ALGAE
A65-81958
- MILLER, J. G.
MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001
- MILLER, J. P.
EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION A65-82074
- MILLER, J. W.
HUMAN ENGINEERING ASPECT OF LOW ALTITUDE HIGH
SPEED FLIGHT - PILOT TASK LOADING, FUNCTION
ALLOCATION, DISPLAY SYSTEMS, AND PILOT SELECTION
AD-460918 N65-27205
- MILLER, M.
LUNG MEMBRANE DIFFUSING CAPACITY FOR CARBON
MONOXIDE IN HIGH ALTITUDE NATIVES COMPARED WITH
SEA LEVEL NATIVES
AD-463110 N65-33244
- MILLER, M.
PHYSIOLOGICAL COST OF DONNING FULL PRESSURE SUIT
UNDER SPACE AND TIME LIMITATIONS
NAEC-ACEL-527 N65-21059
- MILLER, N. D.
EYE PROTECTION AND VISUAL RECOVERY AFTER FLASH
LUMINANCES
SAM-TR-65-12 N65-33405
- MILLER, P. B.
FOUR WEEKS BED REST EFFECT ON CIRCULATORY
FUNCTIONS IN MAN A65-14236
- PROLONGED BED REST EFFECT ON TOLERANCE OF
TRANSVERSE AND HEADWARD ACCELERATION, NOTING HEART
BEATS AND VISION A65-16555
- PROLONGED BED REST USED TO SIMULATE PHYSIOLOGICAL
EFFECTS OF PROLONGED SPACE FLIGHT FOR DETERMINING
DECONDITIONING REQUIREMENTS
AIAA PAPER 65-281 A65-22169
- CARDIOVASCULAR RESPONSES IN MAN WITHOUT AND WITH
ANTIGRAVITY SUIT AFTER FOUR WEEKS OF ABSOLUTE BED

- REST IN RELATION TO MANNED SPACE FLIGHT A65-80145
- TOLERANCE TO TRANSVERSE AND HEADWARD
ACCELERATION AFTER PROLONGED BED REST A65-80379
- PLASMA VOLUME, ERYTHROCYTES, HEART RATE, POSTURAL
INTOLERANCE AND ENDURANCE OF MAN DURING FOUR WEEKS
BED REST AND PHYSICAL EXERCISE A65-82367
- PROLONGED BED REST EFFECT ON CARDIOVASCULAR SYSTEM
IN HEALTHY MALE HUMANS N65-18377
- MILLER, R. A.
LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
AND WASH WATER, USING PERMSELECTIVE SILICONE
RUBBER MEMBRANE A65-10696
- LOW ENERGY METHOD FOR WATER RECOVERY FROM URINE
AND WASH WATER, USING PERMSELECTIVE SILICONE
RUBBER MEMBRANE A65-33554
- EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995
- BIOMEDICAL ASPECTS OF AEROSPACE SYSTEMS
ENVIRONMENTAL CHAMBER MARK I - STUDY OF MAN
RATING SUBSYSTEM DESIGN CRITERIA
AEDC-TR-65-179, VOL. II N65-34279
- MILLER, S. A.
HIGH ENERGY NONFAT NUTRIENT SOURCES - ANIMAL STUDY
IN NUTRITION N65-18598
- MILLER, S. I.
EFFECT OF INCREASED LEAD-IN TIME ON KINETIC VISUAL
ACUITY DURING TARGET TRACKING A65-81684
- MILLER, S. L.
AQUEOUS AND NONAQUEOUS SOLUTIONS, TEMPERATURE
LIMITS, GAS HYDRATE FORMATION AND CONNECTION WITH
ORIGIN OF LIFE A65-29013
- MILLER, S. V.
MAXIMUM PERMISSIBLE CONCENTRATION OF INDUSTRIAL
DUST STANDARDIZATION PROBLEM
JPRS-29693 N65-21572
- MILLS, A. W.
MATCHING LOUDNESS AND VOCAL LEVEL A65-82106
- MILLS, E. S.
INTERPLANETARY MISSION LIFE SUPPORT SYSTEM
EXAMINING CREW REQUIREMENTS, CABIN ATMOSPHERE
CONDITIONING, WATER MANAGEMENT, TEMPERATURE
CONTROL AND SYSTEM INTEGRATION
ASME PAPER 65-AV-33 A65-22954
- MILLS, J. N.
CIRCADIAN RHYTHMS DURING AND AFTER THREE MONTHS IN
SOLITUDE UNDERGROUND A65-80190
- MILLS, R. J.
FACTORS INFLUENCING CONCENTRATION OF EXPIRED
NITROGEN AFTER BREATHING OXYGEN A65-80311
- MILJOJEVIC, B.
COMPARISON OF ROTATORY AND CALORIC TESTS FOR
DIAGNOSIS OF VESTIBULAR FUNCTION A65-80586
- EFFECT OF DIFFERENT CALORIC STIMULI ON CATS -
PROBLEMS OF ELECTRONYSTAGMOGRAPHIC TECHNIQUE
A65-82119
- MILSUM, J. H.
RETINAL IMAGE FIXATION DURING NORMAL BODY AND HEAD
MOVEMENT, EMPHASIZING NEUROMUSCULAR OUTPUTS TO
EYE-IN-SKULL AND SKULL-ON-BODY SPATIAL PLATFORMS
A65-26978
- SPATIAL AND DYNAMIC ASPECTS OF VISUAL FIXATION
RELATED TO HEAD AND EYE MOVEMENT AND VESTIBULAR
APPARATUS A65-81694
- MINAEV, P. F.
INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE A65-30077
- PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONIUM AND ALYAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS A65-81673
- MINARD, D.
RECTUM, LOWER ESOPHAGUS, AND TYMPANUM
TEMPERATURES AS INDICES OF THERMAL EQUILIBRIUM
OF SUBJECTS DURING REST AND WORK UNDER HOT AND
COLD ENVIRONMENTAL TEMPERATURES A65-80276
- ELEVATION OF INTERNAL BODY TEMPERATURES DURING
TRANSIENT HEAT LOADS AND AT THERMAL EQUILIBRIUM
REPT.-1 N65-33342
- MINGAY, R.
INDIVIDUAL HUMAN PATTERNS OF REACTION TIME
RESPONSES A65-80862
- MININ, B. A.
DEVICE FOR SIMULTANEOUS RECORDING OF HUMAN MOTOR
AND SPEECH RESPONSE PARAMETERS
JPRS-29057 N65-19401
- MINKER, H.
RELIABILITY OF VISUAL ACUITY TESTING A65-82230
- MINNER, B.
SURVIVAL, SEARCH, AND RESCUE OPERATION
TRAINING TECHNIQUES FOR GENERAL AVIATION
PILOTS AND AIRCRAFT OWNERS N65-29753
- MINTON, A.
TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630
- MINUT-SOROKHTINA, O. P.
MECHANISM OF THERMAL RECEPTORS IN RABBIT AND CAT
SKIN A65-81278
- MINX, W.
EVALUATION OF EXERCISE ELECTROCARDIOGRAM FOR
NORMAL RANGE BASED ON DATA FROM HEALTHY MEN
A65-82211
- MIQUEL, J.
LIGHT AND ELECTRON MICROSCOPY FOR STUDYING
GLYCOGEN IN NERVOUS SYSTEM
NASA-TM-X-51741 N65-22189
- MIRO, L.
EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND
LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC
FIELD A65-26302
- MIROLYUBOV, G. P.
EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON
LAND OR WATER ON ANIMAL ORGANISM A65-80440
- PHYSIOLOGICAL REACTIONS TO SHOCK OVERLOADS AT HIGH
LANDING SPEEDS N65-13668
- PATHOMORPHOLOGICAL VISCERAL CHANGES IN ANIMALS
AFTER ACCELERATION STRESS N65-13696
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL
ORGANISM N65-16405
- MIROLYUBOV, V.
EFFECT OF SIMULATED HIGH ALTITUDE UPON FLIERS
FTD-TT-65-259/1 N65-25856
- MIRONOVA, A. P.
INCREASED RADIOSENSITIVITY OF NERVOUS SYSTEM DUE
TO DOSE OF MONOFLUOROACETATE A65-30077
- PROTECTIVE EFFECT OF INTRAPERITONEAL INJECTIONS OF
NEMBUTAL, HEXONIUM AND ALYAMINE ON DISTURBANCES
OF RESPIRATION AND HEART RATE CAUSED BY X-RAY
IRRADIATION OF CEREBELLUM IN DOGS

- A65-81673
- MIRRAKHIMOV, M. M.
ACCLIMATIZATION TO LOW BAROMETRIC PRESSURE, DRY
AIR, INTENSE SOLAR RADIATION, AND HIGH AMBIENT
AIR TEMPERATURE OF MOUNTAINS N65-17819
- OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT N65-17834
- MIRUTENKO, V. I.
BIOLOGICAL EFFECT OF MICROWAVE IRRADIATION ON
ANIMALS, DISCUSSING DOSIMETRY PROBLEMS OF
MICROWAVE FIELD AND HEATING PATTERNS A65-20934
- THERMAL EFFECT OF SUPERHIGH FREQUENCY
ELECTROMAGNETIC FIELD ON ANIMALS AND PROBLEMS
OF SUPERHIGH FREQUENCY FIELD DOSIMETRY N65-28705
- MIRZOEYEV, M. M.
VITAMIN INFLUENCE ON ADRENAL GLANDS OF MAN IN
HIGH ALTITUDE ENVIRONMENT N65-17826
- MISHCHENKO, B. A.
VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS A65-35818
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- MISSENAUD, A. R.
AVIATION PSYCHOLOGY IN FRENCH AIR FORCE A65-81368
- PSYCHIATRIC SELECTION OF FLYING PERSONNEL A65-81369
- MISSURO, W.
VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM
AND ITS CATECHOLAMINE MEDIATORS IN RATS A65-80233
- EFFECT OF VIBRATION ON HISTOCHEMICAL STATE OF
ADRENAL GLANDS AND CEREBRAL TISSUES IN RATS A65-81859
- MITARAI, G.
ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT
FLASH DURING HIGH ALTITUDE SIMULATION IN LOW
PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS
A65-81669
- MITCHELL, R. A.
RESPIRATION AND CEREBROSPINAL FLUID PH IN
METABOLIC ACIDOSIS AND ALKALOSIS IN MAN A65-81905
- MITCHELL, R. E.
CARDIOPULMONARY RESPONSES AND CIRCULATORY EFFECTS
DURING HIGH ALTITUDE FLIGHTS INTO DEFICIENT
AMBIENT ENVIRONMENT A65-12527
- HIGH ALTITUDE FLIGHT AS RELATED TO CIRCULATION,
CARDIOPULMONARY ADAPTATION, AND PSYCHOLOGICAL
RESPONSE A65-80235
- MITHOEFER, J. C.
CHLORALOSE AND PENTOBARBITAL EFFECT ON HEART RATE
RESPONSE OF DOG TO CARBON DIOXIDE A65-80076
- MITOLO, M.
FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS
A65-80991
- MITSKIS, A. M.
SIMULTANEOUS EVALUATION OF QUANTITATIVE WAVE
PATTERNS AND MEAN AMPLITUDE OF BRAIN POTENTIAL BY
COMBINED DATA A65-81881
- MITTA, A. E. A.
SYNTHESIS OF LABELLED COMPOUNDS WITH IODINE 131
AND APPLICATIONS IN STUDY OF METABOLIC PROCESSES
REPT.-143 N65-23307
- MIYA, F.
DIFFERENT ROUTES OF CHALLENGE OF COXSACKIE B
VIRUS ON COLD STRESSED MICE
AAL-TDR-64-2 N65-18973
- MIYACHI, S.
METABOLIC ROLES OF INORGANIC POLYPHOSPHATES IN
CHLORELLA CELLS A65-80704
- MIYAJIMA, K.
HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE
SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION
AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS
A65-25323
- MIYAKAWA, M.
HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN
CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS
A65-14383
- MIZEN, M. J.
FEASIBILITY OF WEARABLE EXOSKELETAL STRUCTURE FOR
STUDYING MOTION AND PERFORMANCE OF WEARER AT WORK
TASKS
ASME PAPER 64-WA/HUF-3 A65-13421
- FULL-SCALE WEARABLE NONPOWERED EXOSKELETAL
STRUCTURE /MAN AMPLIFIER/ FABRICATION AND TESTING
TO DETERMINE EFFECT ON WORK TASK PERFORMANCE
A65-19149
- MIZURUKHIN, I. A.
HYPOXIA SIGNIFICANCE IN INSULIN THERAPY AS APPLIED
TO SCHIZOPHRENIA PATIENTS N65-17842
- MODEL, A. A.
FUNCTIONAL STATE OF VESTIBULAR ANALYZER
INVESTIGATED BY CALORIC AND ROTATION TESTS USING
SOURCES OF IONIZING RADIATION
JPRS-32151 N65-34676
- MODISETTE, J. L.
SPACE RADIATION EFFECTS ON APOLLO MISSION -
ENVIRONMENTAL ANALYSIS N65-34593
- MOESCHLIN, S.
TOXICITY, PATHOLOGY AND TREATMENT OF POISONING BY
VARIOUS ORGANIC AND INORGANIC COMPOUNDS A65-81019
- MOGNONI, P.
THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED
FROM THORACIC CIRCUMFERENCE, INTRATHORACIC
PRESSURE AND PULMONARY VOLUME RELATIONSHIPS
A65-23231
- MOHLER, S. R.
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
- FLIGHT STRESS AND SAFETY- AIDS TO PILOT
PERFORMANCE A65-81309
- HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7 N65-18409
- BIOLOGICAL FATIGUE IN AIR SAFETY
AM-65-13 N65-29792
- MOHR, G. C.
LOW FREQUENCY AND INFRASONIC NOISE EFFECTS ON MAN
A65-81946

- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES A65-82368
- MOKEEVA, N. P.
FAST NEUTRON ACTION ON HUMAN CELL NUCLEUS DURING MITOSIS, IN TISSUE CULTURES A65-80540
- MOLCAN, J.
PSYCHOLOGICAL EFFECTS OF EXPOSURE TO CARBON DISULFIDE A65-80392
- MOLDENHAUER, F.
MYOPIA IN PILOTS AS RESULT OF PROLONGED FLIGHT DUTY A65-81826
- MOLFINO, F.
TREATMENT OF ACUTE CARBON MONOXIDE POISONING WITH PURE OXYGEN IN PRESSURE CHAMBER A65-80282
- MOLINARI, G. A.
CEREBRAL CORTEX AND VESTIBULAR NUCLEI OF CAT AS AFFECTED BY ELECTRIC STIMULATION. A65-82141
- MOLL, H. M.
PROBLEM OF OXYGEN SUPPLY ON SPACE FLIGHTS REQUIRING PHOTOSYNTHESIS SOLUTION A65-21342
- MOLLER, A. R.
EFFECT OF TYMPANIC MUSCLE ACTIVITY ON MOVEMENT OF EARDRUM, ACOUSTIC IMPEDANCE AND COCHLEAR MICROPHONICS A65-81505
- MOLNAR, M. S.
APPLICATION OF SPACE TELEMETRY TO SURGICAL TECHNIQUES N65-34003
- MONCLOA, F.
PLASMA CATECHOLAMINES OF NATIVE RESIDENTS AND NEWCOMERS AT HIGH ALTITUDE AS AFFECTED BY FASTING AND INSULIN A65-82168
- MONEY, K. E.
SEMICIRCULAR CANAL ROLE IN POSITIONAL ALCOHOL NYSTAGMUS OF CAT A65-81178
- MONGE, C. C.
RENAL EXCRETION AND CARBON DIOXIDE TENSION OF HIGH ALTITUDE NATIVES WITH AND WITHOUT CHRONIC MOUNTAIN SICKNESS A65-80298
- RENAL FUNCTION IN HIGH-ALTITUDE NATIVES AND IN NATIVES WITH CHRONIC MOUNTAIN SICKNESS A65-81918
- MONICOL, M. W.
ANOXIA AND TREATMENT IN ACCIDENTAL HYPOTHERMIA A65-80009
- MONNIER, M.
SLEEP INDUCING HUMORAL SUBSTANCE IN DIALYSATE OF SLEEPING DONOR A65-80454
- CORRELATION OF DIENTEPHALIC AND BULBOVESTIBULAR NYSTAGMOGENIC AREAS A65-80688
- ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF MAN TO COLOR FLICKER STIMULI A65-80775
- BEHAVIORAL ACTIVATION IN RABBIT AFTER INJECTION OF DIALYSATE OBTAINED DURING STIMULATION OF MIDBRAIN RETICULAR SYSTEM A65-80877
- MONOD, H.
WORK CAPACITY OF SYNERGIC MUSCULAR GROUP A65-82005
- MEASUREMENT OF MUSCLE OXYGEN CONSUMPTION DURING STATIC INTERMITTENT AND DYNAMIC WORK BY OPEN CIRCUIT METHOD A65-82314
- MONTAGUE, W. E.
IRRELEVANT INFORMATION - EFFECT ON LEARNING COMPLEX AUDITORY DISCRIMINATION TASK A65-80852
- MONTANDON, A.
NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENTEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT A65-82139
- ELECTRONYSTAGMOGRAPHIC STUDY OF VESTIBULAR FUNCTION A65-82321
- MONTANDON, P.
CORRELATION OF DIENTEPHALIC AND BULBOVESTIBULAR NYSTAGMOGENIC AREAS A65-80688
- NYSTAGMIC RESPONSES TO ELECTRIC STIMULATION OF DIENTEPHALIC CENTERS AND TO ROTATORY STIMULATION OF VESTIBULAR RECEPTORS IN RABBIT A65-82139
- MONTGOMERY, D. J.
BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS AFFECTED BY MAGNETIC FIELDS A65-80423
- AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION AND COULTER COUNTER A65-80427
- MONTGOMERY, P. O. B.
ULTRAVIOLET RADIATION EFFECT ON HUMAN CELLULAR RESPONSES CORRELATED TO ULTRASTRUCTURAL CHANGES A65-80224
- MONTICELLI, A.
STATISTICAL TABLE FOR EVALUATION OF ACCIDENTS DUE TO DEFECTIVE VISUAL ACUITY A65-81268
- MONTY, R. A.
INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION FOR MANNED SPACE FLIGHT A65-35485
- MOORE, A. G.
NUMERICAL INDICATOR FOR INDIRECT SYSTOLIC AND DIASTOLIC BLOOD PRESSURES, EMPLOYING EKG AND AUSCULTATORY METHODS A65-10726
- MOORE, G. P.
COMPUTER METHOD FOR NEUROPHYSIOLOGICAL RESEARCH P-3057 N65-27906
- MOORE, H. G.
INTEGRATED MISSION SIMULATION TECHNIQUE TESTS PILOT RELIABILITY FOR SEVEN-DAY MANNED LUNAR MISSION AIAA PAPER 65-275 A65-22125
- MOORE, J. W.
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON A65-14831
- CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE A65-81011
- MORA, P. T.
APPLICATION OF PROBABILITY THEORY TO SPECULATIONS ON ORIGIN OF LIFE A65-80468
- RANDOM POLYCONDENSATION OF CARBOHYDRATES IN RELATION TO POLYMERIZATION AND ABIOGENESIS A65-80480
- MORAN, H. F.
STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF ESCHERICHIA COLI NASA-CR-58980 N65-29416
- MORAN, H. S.
SECONDARY PARTICLE CONTRIBUTION TO RADIATION DOSE FROM MONOENERGETIC PROTON BEAMS AND VALIDITY OF CURRENT-TO-DOSE CONVERSION FACTORS N65-34597
- VALIDITY OF STRAIGHT AHEAD APPROXIMATION IN SPACE VEHICLE SHIELDING CALCULATIONS - RADIATION DOSE N65-34598
- MORANDI, A. J.
SENSITIVITY OF RETINAL BLIND-SPOT REGION TO STIMULATION BY FLICKER A65-82047

- MORANO, E.
RADIATION PROTECTION OF SKIN OF GUINEA PIG WITH
CYSTEAMINE A65-80351
- MORANT, R. B.
ADAPTATION TO PRISMATICALLY ROTATED VISUAL FIELDS
A65-81020
- TWO DIFFERENT AFTER-EFFECTS OF EXPOSURE TO VISUAL
TILTS A65-81662
- MORAY, N.
STIMULUS PRESENTATION AND METHOD OF SCORING IN
SHORT TERM MEMORY EXPERIMENTS A65-82349
- MORECKI, A.
MECHANO ELECTRICAL AND BIOMECHANICAL PRINCIPLES OF
CONTROL OF HUMAN UPPER LIMB MUSCLES A65-20495
- MOREJON, E.
ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81839
- MORELLO, E. F.
SOLID CHEMICAL AIR GENERATOR FOR PRODUCING
BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE -
SPACE APPLICATION
AG-1 N65-10267
- MORGAN, B. B., JR.
MASKING OF CUTANEOUS SENSATIONS IN MULTIPLE
STIMULUS PRESENTATIONS A65-80563
- MORGAN, K. Z.
RADIOACTIVE WASTE AND HUMAN TOLERANCE RESTRICTIONS
TO RADIATION
ORNL-3820 N65-25582
- MORGAN, R. F.
SENSORY DEPRIVATION HALLUCINATIONS AND OTHER SLEEP
BEHAVIOR AS FUNCTION OF BODY POSITION, METHOD OF
REPORT, AND ANXIETY A65-80561
- MORGAN, R. J.
ELECTROENCEPHALOGRAM AS TOOL FOR DETERMINING WHICH
CURRENT PRODUCES EFFECTIVE ANESTHESIA A65-10737
- ELECTROENCEPHALOGRAM DURING ELECTROANESTHESIA
N65-16617
- MORGAN, R. L.
INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING
UPON TRANSFER FUNCTION
AMRL-TDR-64-81 N65-10269
- EFFECTS OF DEGREE OF LEARNING AND DEGREE OF
SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF
TRAINING
AMRL-TR-64-96 N65-14000
- TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL
DELAY AND LEARNING - HUMAN PERFORMANCE
AMRL-TR-64-104 N65-19149
- REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED
INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128 N65-21048
- MORGAN, T. E., JR.
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- MORGANTI, P.
CATECHOLAMINE AND COLD EXPOSURE EFFECTS ON
LIPOLYTIC ACTIVITY OF RAT HEART A65-81383
- MORIKAWA, Y.
SUCCESSIVE COMPARISON OF VISUAL SIZE-STUDY OF
POSITIVE TIME ERROR A65-81565
- MORIN, J.
CHANGES IN AUDITORY APPARATUS FROM LONG TERM NOISE
EXPOSURE IN INDUSTRIAL WORKERS A65-82315
- MORIN, R. E.
SHORT TERM MEMORY AND REACTION TIME - KEEPING
TRACK OF SEVERAL VARIABLES A65-80054
- MORISHIMA, H. O.
LACTATE AND PYRUVATE GRADIENTS BETWEEN RED BLOOD
CELLS AND PLASMA OF GUINEA PIG DURING ASPHYXIA
A65-80073
- MORLOCK, H. C., JR.
AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- MORLOCK, J. V.
AUDITORY EVOKED RESPONSES AND
ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- MOROFF, S. V.
OVERHYDRATION EFFECTS ON PHYSIOLOGICAL RESPONSES
OF MAN TO WORK IN HOT ENVIRONMENTS A65-80675
- MOROWITZ, H. J.
MINIMUM FREE LIVING REPLICATING SYSTEM
REQUIREMENTS A65-30686
- VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/
AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT
INFORMATION NECESSARY FOR LIVING SYSTEM
SPECIFICATION IS STORED IN ATOM CONFIGURATION
A65-31004
- MOROZOV, A. P.
CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND
RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER
MOUNTAIN ENVIRONMENT CONDITIONS N65-17837
- MOROZOV, V. P.
SIMULTANEOUS RECORDING OF RESPIRATORY MOVEMENTS
AND SPEECH SOUND ON SAME MAGNETIC TAPE N65-27029
- MOROZOV, V. S.
BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098
- HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY A65-81989
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE N65-10065
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT N65-13632
- INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- MOROZOVA, L. I.
MORPHOLOGICAL CHANGES IN LIVER FOLLOWING EXPOSURE
OF ORGANISM TO CARBON MONOXIDE, METHANE, AND
THEIR COMBINATIONS - MINING SAFETY N65-28292
- MORRELL, F.
COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL
ACTIVITY INCLUDING BACKGROUND EEG AND REACTION
TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND
SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS
N65-28777

- MORRELL, L.
COMPUTER-AIDED ANALYSIS OF BRAIN ELECTRICAL
ACTIVITY INCLUDING BACKGROUND EEG AND REACTION
TIME, PERIOD ANALYSIS, EVOKED POTENTIALS, AND
SPATIAL DISTRIBUTION OF AVERAGED POTENTIALS
N65-28777
- MORRIS, A. C., JR.
LOW LEVEL, DIAGNOSTIC LEVEL AND HIGH LEVEL
COUNTERS FOR DETECTING AND LOCALIZING
RADIOACTIVITY IN PATIENTS N65-25663
- WHOLE-BODY IRRADIATION SCANNER SYSTEM USING
THICK SODIUM IODIDE SCINTILLATION DETECTOR
N65-25666
- MORRIS, R. B.
EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH
D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS
ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION
AND FATIGUE A65-80160
- MORRISON, J. F.
NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS A65-80274
- ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS A65-80678
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE
AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132
- MORRISON, P.
ACCLIMATIZATION AND BODY AND SKIN TEMPERATURES OF
YOUNG AUSTRALIAN ABORIGINAL MEN AND WOMEN SLEEPING
OUTSIDE IN COLD ENVIRONMENT WITH LITTLE PROTECTION
A65-82162
- MORROW, A. G.
PULMONARY VASCULAR RESPONSES OF DOG TO HYPOXIA AND
MODIFICATION BY PHARMACOLOGIC SYMPATHECTOMY
A65-80176
- MORSE, R. L.
OPERATION OF MATHEMATICAL MODEL OF
BALLISTOCARDIOGRAM BY DIGITAL COMPUTER AND
DATA PROCESSING SYSTEM
NSAM-915 N65-36249
- MORTON, R. A.
X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED
CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL
CYCLE A65-80617
- MORUZZI, G.
AUDITORY INPUT IN CATS DURING WAKEFULNESS,
SYNCHRONIZED SLEEP, AND DESYNCHRONIZED SLEEP
A65-80945
- AUDITORY INPUT CHANGES DURING AROUSAL IN CAT WITH
TENOTOMIZED MIDDLE EAR MUSCLES A65-80946
- COMPARATIVE NEUROPHYSIOLOGY OF VISION - RETINAL
ADAPTATION, TRANSFER PROPERTIES, BIOLOGICAL
NOISE, AND ELECTRORETINOGRAMS
AFOSR-65-0039 N65-21449
- MOSELY, J. D.
HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED N65-19677
- MOSER, G.
MATHEMATICAL SIMULATION OF CARBON DIOXIDE PARTIAL
PRESSURES IN HUMAN LUNG, VENOUS BLOOD AND
REBREATHING BAG A65-14157
- MOSES, D. M.
ATTITUDE CONTROL SYSTEM FOR ASTRONAUT MANEUVERING
UNITS
NASA-CR-198 N65-20401
- MOSKALENKO, YU. YE.
LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS
A65-80086
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
- GRAVITATIONAL LOADS N65-14527
- MOSKALEV, YA. I.
DISTRIBUTION, KINETICS OF ACCUMULATION, AND MODES
OF EXCRETION OF RADIOACTIVE ISOTOPES IN VARIOUS
ORGANS N65-26393
- MOSKALEV, YU. I.
BLASTOMYOTIC ACTION OF HIGH ENERGY PROTONS IN
RATS A65-81711
- TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON
IRRADIATION ON RATS
JPRS-27343 N65-10653
- MOSKONA, A.
INSTANTANEOUS VARIATIONS OF METABOLITE
CONCENTRATION IN SYSTEM OF METABOLIC PROCESSES
IN CELLS
JPRS-31464 N65-31213
- MOSS, D. N.
PLANT LEAVES FOR OXYGEN PRODUCTION IN SPACE CABIN
ATMOSPHERE
NASA-CR-50295 N65-17071
- PLANT LEAVES FOR OXYGEN PRODUCTION IN CLOSED
ECOLOGICAL SYSTEM
NASA-CR-55131 N65-17072
- MOSS, L. K.
HILL REACTION ACTIVITY OF SOLUBLE CHLOROPLAST
EXTRACTS FROM SPINACH
NASA-CR-67374 N65-35580
- MOTOBAYASHI, F.
BODY TILT COGNITION AS FUNCTION OF MUSCULAR
TENSION AND VISUAL CUES AT VARIOUS LUMINOSITY IN
CLOSED CABIN A65-18841
- SENSORY PERCEPTION AND SPATIAL ORIENTATION
CONCERNING BODY POSTURE IN SEALED CABIN
A65-80553
- MOTOC, F.
EFFECT OF HYPEROXYGENATION ON ACTIVITY OF
SUCCINATE DEHYDROGENASE, ADENOSINE TRIPHOSPHATASE,
SH-GROUPS, AND DEOXYRIBONUCLEIC ACID IN
TRANSPLANTED TUMORS IN ALBINO RATS
A65-82325
- MOTT, J. A.
DEVELOPMENT OF ISOMETRIC STRENGTH AT DIFFERENT
ANGLES WITHIN RANGE OF MOTION A65-81568
- MOUTZITHROPOULOS, C.
WEIGHTLESSNESS SUGGESTED AS THERAPY FOR CARDIAC
INSUFFICIENCY A65-81849
- MOYER, J. E.
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- BACTERIOLOGICAL MEASUREMENTS IN TWO-MAN SPACECRAFT
CABIN SIMULATOR N65-14455
- BACTERIOLOGICAL POTABILITY OF WATER CONDENSATES
FROM HEAT EXCHANGES OF PRESSURIZED SUITS
SAM-TDR-64-66 N65-16299
- MOZINGO, H. N.
LOW PRESSURE EFFECTS ON CELLULAR ULTRASTRUCTURE
AND CYTOCHEMISTRY IN PLANTS
NASA-CR-55179 N65-17055
- EFFECTS OF LOW PRESSURES ON CELLULAR
ULTRASTRUCTURE AND CYTOCHEMISTRY IN PLANTS
NASA-CR-64097 N65-30474
- MOZZHUKHIN, A. S.
EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON
PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS
IN DOGS A65-82182
- CHEMICAL PROPHYLAXIS EFFECTS ON RADIATION
RESISTANCE AND TOLERANCE IN HUMAN AND ANIMALS
JPRS-27227 N65-10039

- MOZZO, M.
MODIFICATIONS OF BARANY APPARATUS AND TECHNIQUE
FOR EVOKING OPTOKINETIC NYSTAGMUS
A65-81612
- MROSOVSKY, N.
EXPERIMENTAL HYPOTHERMIA AND BROWN ADIPOSE TISSUE
IN RAT RELATED TO HIBERNATION
A65-81468
- MUCKLER, F. A.
MANNED SPACECRAFT FOR SURVEILLANCE AND
RECONNAISSANCE USING UNAIDED VISION AND
MAN-PERISCOPIC VISION
A65-35489
- MUDD, S. A.
BINARY PURE-TONE AUDITORY DISPLAYS EVALUATED
A65-81125
- MUELLER, G. E.
MEDICAL ASPECTS OF GEMINI AND APOLLO PROJECTS
A65-80847
- MUELLER, H. A.
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF
CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME
BY LASER AND LIGHT COAGULATOR IN RABBITS
A65-81093
- MUKHARLYAMOV, N. M.
PHYSICAL FITNESS OF MAN UNDER PROLONGED CONDITIONS
OF LIMITED MOTOR ACTIVITY
N65-13693
- EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION
N65-13737
- MULAY, I. L.
MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA
MELANOGASTER, AND S-37 MOUSE TUMOR CELLS
A65-80462
- MULAY, L. N.
MAGNETIC FIELD EFFECT ON FRUIT FLY, DROSOPHILA
MELANOGASTER, AND S-37 MOUSE TUMOR CELLS
A65-80462
- MULCARE, D. B.
NITROGEN AND WEIGHT LOSSES DURING STARVATION IN
OBESITY
A65-80989
- MULLER, A.
SPECTROGRAPHIC PARAMAGNETIC RESONANCE OBSERVATION
OF RADIATION EFFECTS ON BACTERIOPHAGES
N65-24616
- MULLER, E. A.
PHYSICAL WORK CAPACITY OF MAN AND ITS DIMINUTION
BY HEAT STRESS
A65-80906
- TECHNICAL PROBLEMS AND MEANS OF PROTECTION AGAINST
SOLAR RADIATION
A65-80967
- RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER
ISOMETRIC AND DYNAMIC METHODS OF TRAINING
A65-81269
- WORK PULSE RATE AS INDICATOR OF PERSISTING MUSCLE
FATIGUE IN HUMANS
A65-81270
- MULLER, H.
RADAR WAVES AS OCCUPATIONAL HEALTH HAZARD FOR
RADAR PERSONNEL
A65-80058
- MULLER, K. G.
GAS BUBBLE FORMATION IN ORGANISMS IN EXPLOSIVE
DECOMPRESSION
A65-81272
- MULLINS, C. J.
VALIDATION OF CAREFULNESS TEST BATTERY USED IN
PERSONNEL SELECTION
A65-81555
- MUNFORD, R. S.
ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS
A65-81176
- MUNOZ, P.
RESISTANCE TO HYPOXIA AND HYPOTHERMIA
A65-81794
- MUNRO, A.
BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN
RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEART RATE, BODY TEMPERATURE, AND SWEAT RATE
RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND
CAUCASIANS
A65-80068
- NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS
A65-80274
- MUNSAT, T. L.
CASE HISTORY OF AEROEMBOLISM TREATED BY
HYPOTHERMIA
A65-81523
- MUNT, P.
QUANTITATION OF ERYTHROPOIETIC STIMULUS PRODUCED
BY HYPOXIA IN PLETHORIC MOUSE DURING ALTITUDE
SIMULATION
A65-81535
- MUNTEANU, M.
COLOR VISION OF FLYING PERSONNEL TESTED BY
CHROMATOSCOPE TEST METHOD
A65-81975
- MURGATROYD, D.
SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL
WARM WATER IMMERSION
A65-81916
- SPATIAL SUMMATION OF PAIN FOR LARGE BODY AREAS
USING HIGH INTENSITY INFRARED RADIATION
DASA-1568
N65-29159
- MURIN, G. F.
HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY
A65-81989
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT
N65-13632
- INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039
- MURPHY, E. L.
GAS FORMATION AND EXPULSION FOLLOWING INGESTION OF
CERTAIN FOODS
N65-18588
- MURPHY, J. T.
TOOTHACHES DURING AIRCRAFT FLIGHT- BAROTRAUMA AND
PREDISPOSING FACTORS PRODUCING PAIN
A65-81437
- MURRAY, R. H.
LUNG, VISCERA, AND SURVIVAL OF ANESTHETIZED DOG
DURING REPEATED, PROLONGED, LOW INTENSITY POSITIVE
ACCELERATION EXPOSURE
A65-82126
- MURRELL, K. F. H.
SKILLS INVOLVED IN READING METERS DURING
SUPERVISION OF AUTOMATIC ASSEMBLY SYSTEMS
A65-80886
- HUMAN PERFORMANCE IN INDUSTRY
A65-81487
- MURTZ, R.
HYPOXIC DRIVE IN NORMAL INDIVIDUALS AND PATIENTS
WITH CHRONIC HYPOXEMIA
A65-81188
- HYPEROXIC EFFECT ON RESPIRATION IN NORMAL MEN AND
PATIENTS WITH CHRONIC HYPOXEMIA
A65-81344

- MUSACCHIA, X. J.**
EFFECT OF LARGE DOSE OF RESERPINE GIVEN INTRAPERITONEALLY ON INTESTINAL ABSORPTION OF D-GLUCOSE /IN VITRO/ IN HAMSTERS A65-17372
- IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION IN ACTIVE AND HIBERNATING, IRRADIATED AND NONIRRADIATED GROUND SQUIRREL A65-20020
- PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS AND SPACE RADIATION ON HIBERNATORS NASA-CR-50546 N65-17058
- MUSIALOWICZ, T.**
EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS IN ISOTOPE LABORATORIES IN POLAND CLOR-34 N65-22501
- MYASNIKOV, A. L.**
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD CIRCULATION N65-13737
- MYASNIKOV, L. L.**
SIMULATION OF TOUCH BY MEANS OF SURFACE ULTRASOUND WAVES FTD-TT-64-225/1 N65-15112
- MYASNIKOV, V. I.**
FUNCTIONAL CHANGES IN MAN DURING PROLONGED ISOLATION N65-13667
- MYERS, J.**
PHOTOSYNTHETIC GAS EXCHANGE EXPERIMENT USING DWARF MOUSE AND ILLUMINATED SUSPENSION OF CHLORELLA ELLIPSOIDEA A65-31005
- GAS EXCHANGE BETWEEN ILLUMINATED PLANT AND ANIMAL, AND PHOTOSYNTHETIC GAS EXCHANGER STUDY SAM-TDR-64-52 N65-16879
- MYERS, J. E.**
PHOTOSYNTHESIS AS REGENERATION SYSTEM FOR SPACE FLIGHT N65-18591
- MYERS, R. N.**
PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS N65-18587
- MYGIND, S. H.**
BALANCE AND HEARING INTERPRETED IN VIEW OF ANATOMY OF LABYRINTH A65-82138
- MYLNIKOV, V.**
FLIGHT CONDITION SIMULATION FOR PRECISION TRAINING OF PILOTS N65-24863
- N**
- NADEL, J. A.**
RESPIRATORY RESPONSE TO SUDDEN COOLING OF SKIN IN MAN AND DECEREBRATE CAT A65-80303
- RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF AIRWAY SMOOTH MUSCLE A65-80667
- NAEYE, R. L.**
AUTOPSY STUDIES OF CHILDREN LIVING AT HIGH ALTITUDE AND CHANGE IN STRUCTURE OF PULMONARY ARTERIES AND RENAL GLOMERULI A65-80558
- PULMONARY ARTERY MUSCLE MASS AND VENTRICULAR CARDIAC SIZE OF MICE DURING HYPOXIA AS AFFECTED BY METHYL DOPA A65-82191
- PULMONARY VASCULAR CHANGES OF HUMAN INFANT, DOG, AND CALF WITH UNILATERAL HYPOXIA A65-82232
- NAGASAKA, T.**
DIGITAL BLOOD FLOW DURING COLD WATER IMMERSION OF HAND A65-80302
- RESPONSES OF COLD- AND WARM-ADAPTED DOGS TO INFUSED NOREPINEPHRINE AND BODY COOLING A65-81299
- RESPONSES OF COLD AND WARM ADAPTED DOGS TO INFUSED NORADRENALINE AND ACUTE BODY COOLING - CALORIGENIC EFFECTS OF NORADRENALIN AAL-TR-64-21 N65-24080
- NAGAYA, T.**
STUDIES ON VISUAL EVOKED RESPONSE - USE OF 0.06 DEGREE RED TARGET FOR EVALUATION OF FOVEAL FUNCTION A65-81532
- NAGLE, F.**
PEAK OXYGEN INTAKE DURING PHYSICAL FITNESS PROGRAM FOR MIDDLE-AGED MEN A65-80732
- GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY A65-81610
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION AM-64-2 N65-16161
- EVALUATION OF TREADMILL AND GRADATIONAL STEP TEST FOR ASSESSING CARDIORESPIRATORY CAPACITY AM-64-3 N65-16215
- NAGLE, J. P.**
STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN MACACA NEMESTRINA A65-80307
- NAGLE, S. C., JR.**
VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES N65-22311
- NAHUM, L. H.**
DREAM CYCLES IN HUMAN AND ANIMAL SLEEP A65-82256
- NEUROPHYSIOLOGICAL AND PSYCHOANALYTICAL ASPECTS OF DREAM CYCLES A65-82322
- NAIRN, J. R.**
PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND CAPILLARY BLOOD FLOW DURING FORWARD ACCELERATION A65-82152
- NAITOH, P.**
WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO A65-82041
- NAJAC, H.**
RADIATION EFFECT ON RETINA - BURN INJURY STUDY R-1747 N65-23889
- NAKACHE, F. R.**
ANALYTICAL FORMULATION OF PROTON DOSE RATES BEHIND SPHERICAL MULTILAYER SHIELDING FOR CALCULATION OF BODY, SKIN, DEPTH, AND LOCAL PROTON DOSAGE N65-34629
- NAKAGAWA, O.**
OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH AND XENON FLASH UNIT A65-80782
- NAKAJIMA, A.**
OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH AND XENON FLASH UNIT A65-80782
- NAKAKURA, S.**
PRECARDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING HEMODYNAMIC EVENTS DURATION A65-22329
- NAKAMURA, C. Y.**
VISUAL PATTERN DISCRIMINATION AS FUNCTION OF SPATIAL DISTANCE CHARACTERISTICS AND EXPOSURE DURATION A65-81166
- NAKAYAMA, H.**
EXERCISE EFFECTS ON CORONARY AND PULMONARY CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY SINUS CATHETERIZATION A65-31346
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL SUBJECTS A65-81668

PERSONAL AUTHOR INDEX

NEIL, E.

- NAMYSLOWSKI, L.**
FOOD INTAKE AND ENERGY EXPENDITURE IN SUBJECTS
ENGAGED IN PHYSICAL EXERCISE A65-80318
- NANCE, R. D.**
PURSUIT ROTOR PERFORMANCE, PACING, AND MANIFEST
ANXIETY A65-80575
- NANDA, R. B.**
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809
- NANZ, R. A.**
ASTRONAUT FEEDING IN SPACE FLIGHTS, FREEZE-
DEHYDRATED AND BITE-SIZE READY-TO-EAT FOOD,
STORAGE AND CONTAINER HANDLING PROBLEMS A65-18837
- SPACE FEEDING CONCEPT FOR GEMINI AND APOLLO
PROJECTS AS DEVELOPED IN MERCURY PROJECT
NASA-TM-X-51697 N65-21473
- NAPALCOV, A. V.**
LIVING ORGANISMS AND FUNCTIONS OF SENSORY ORGANS -
PERCEPTION AND STIMULATION IN EXTERNAL
ENVIRONMENT JPRS-29744 N65-23775
- ALGORITHMS FOR SELF-ORGANIZING CONTROL SYSTEMS
WHICH INFLUENCE FUNCTIONING OF INTERNAL ORGANS
JPRS-30214 N65-24351
- NARABAYASHI, S.**
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION A65-81434
- NARKIN, A.**
LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- NARVA, M. A.**
MANNED SPACECRAFT FOR SURVEILLANCE AND
RECONNAISSANCE USING UNAIDED VISION AND
MAN-PERISCOPE VISION A65-35489
- NASJLETTI, A.**
HUMAN BLOOD BRADYKININ CONTENT AT REST AND DURING
EXERCISE A65-81084
- NASLEDOVA, I. D.**
EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC
STIMULI ON DEVELOPMENT OF NUTRITIONAL
CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL
NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- NATH, J.**
DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28 N65-27561
- NATSUI, T.**
VENTILATORY RESPONSE TO CARBON DIOXIDE DURING
HYPOXIA IN DOGS A65-81895
- NAUGHTON, J.**
PEAK OXYGEN INTAKE DURING PHYSICAL FITNESS PROGRAM
FOR MIDDLE-AGED MEN A65-80732
- EFFECT OF PHYSICAL CONDITIONING ON HUMAN BEHAVIOR
BEFORE AND AFTER SUFFERING MYOCARDIAL INFARCTION
AM-64-2 N65-16161
- NAUGHTON, J. P.**
GRADATIONAL STEP TESTS FOR ASSESSING WORK CAPACITY
A65-81610
- NAUMOV, L. B.**
CLINICAL DIAGNOSIS OF LUNG DISEASES BY COMPUTER -
CYBERNETICS N65-22729
- NAUMOV, N. P.**
ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS
UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC
STUDIES JPRS-29757 N65-22113
- NAUMOVA, O. A.**
PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING
INHALATION OF FUMES EMANATING FROM SPECIMENS
OF FIBER GLASS REINFORCED PLASTIC N65-28293
- NAVACH, J.**
CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON
VENTILATION A65-81896
- NAYLOR, J. C.**
TEAM TRAINING IN SIMULATED RADAR-CONTROL
INTERCEPTION TASK
NAVTRADEVCE-1327-1 N65-16173
- NAZAR, K.**
EFFECT OF PHYSICAL EXERCISE ON BLOOD PLASMA LEVEL
OF 17-HYDROXYCORTICOSTEROIDS IN MAN A65-81955
- NAZARENKO, A. I.**
WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO
RADIAL ACCELERATION N65-13670
- HYPOXIA IN DEVELOPMENT AND COURSE OF EXPERIMENTAL
EPILEPTIC SEIZURES IN DOGS AND RATS N65-17841
- NEBYLITSYN, V. D.**
PROBLEMS OF PERSONNEL SELECTION N65-13738
- NEELY, K. K.**
INTELLIGIBILITY OF SPEECH RECORDED WITH FOUR
TRANSDUCERS AT VARIOUS HEAD AND THROAT POSITIONS
A65-82298
- NEERGAARD, E. B.**
SOUND TRANSMISSION IN HUMAN EAR - INFLUENCE OF
STAPEDIUS AND TENSOR TYMPANI MUSCLES A65-80035
- NEFEDOV, YU. G.**
RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS A65-29943
- EXPERIMENTAL EXPOSURE OF HUMAN SUBJECTS TO CLOSED
ENVIRONMENT SYSTEM FOR SIMULATION OF SPACE CAPSULE
CONDITIONS A65-80930
- REACTION OF HUMAN PERFORMANCE TO COMPLEX
ENVIRONMENTAL FACTORS EXISTING IN SPACECRAFT
CABIN
NASA-TT-F-273 N65-11874
- OBSERVATIONS AND TESTING OF COSMONAUTS AND
ENVIRONMENTAL CONDITIONS BY MEDICAL PERSONNEL
ABOARD VOSKHOD MANNED SPACECRAFT
JPRS-29911 N65-23053
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- NEFF, W. D.**
ELECTROPHYSIOLOGICAL DATA ON ACTIVITY OF AUDITORY
NERVOUS SYSTEM IN ANESTHETIZED ANIMALS DURING
LEARNING AND DIFFERENT STAGES OF SLEEP AND
ALERTNESS
AFOSR-64-0966 N65-13205
- NEGREA, F.**
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS A65-81619
- NEIBERG, A. D.**
INFLUENCE OF RELEVANT BUT UNUSED CUE IN TRAINING
UPON TRANSFER FUNCTION
AMRL-TDR-64-81 N65-10269
- EFFECTS OF DEGREE OF LEARNING AND DEGREE OF
SIMILARITY BETWEEN TWO TASKS ON TRANSFER OF
TRAINING
AMRL-TR-64-96 N65-14000
- NEIDLINGER, R. W.**
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE
NUCLEAR DETONATIONS A65-14240
- NEIL, E.**
OXYGEN IN THE ANIMAL ORGANISM - A SYMPOSIUM
A65-80355

- NELSON, A. A65-80536
RECOVERY RATE AND DOSE-REDUCTION FACTOR IN
CYSTEAMINE-TREATED MOUSE AFTER FRACTIONATED
X-IRRADIATION A65-80171
- NELSON, B. M.
GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION N65-25658
- NELSON, C. D.
IMPORTANCE OF BLUE LIGHT FOR PHOTOSYNTHESIS IN
CHLORELLA VULGARIS A65-81891
- NELSON, G. A.
HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED N65-19677
- NELSON, J. R.
LOW LEVEL BALLOON PILOT TRAINING AND QUALIFICATION
FLIGHTS
REPT.-1282-R N65-15709
- NELSON, P. D.
PSYCHOLOGICAL ASPECTS OF ADAPTATION TO LIFE ON
ANTARCTIC STATIONS A65-81236

BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE
PREDICTION AT LARGE ANTARCTIC STATION
REPT.-64-22 N65-19567

HUMAN BEHAVIOR STUDY ON SOCIAL STRUCTURE CHANGE IN
SMALL ISOLATED GROUPS N65-22949
- NELSON, R. A.
COMPARISON OF CALCIUM AND IODINE EXCRETION
IN ARM AND TOTAL BODY SWEAT OF HUMANS
REPT.-282 N65-34517

TRACE MINERAL LOSSES IN SWEAT
REPT.-284 N65-35035
- NELSON, T. M.
CRITICAL FLICKER FREQUENCY - THEORETICAL
INTERPRETATION OF VARIOUS QUALITATIVE AND
QUANTITATIVE ASPECTS A65-80459

FLASH FREQUENCY WHEN BRIGHTNESS IS VARIED BY
MANIPULATION OF TEMPORAL DISTRIBUTION OF PHOTIC
INTERMITTENCY A65-80460

OBJECT IDENTIFICATION ON BASIS OF EDGE AND SURFACE
CHARACTERISTICS A65-81008
- NEMENZO, J. M.
ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48 N65-31081
- NERDRUM, H. J.
CHANGES OF SERUM GLUTAMIC OXALDACETIC TRANSAMINASE
ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
IN SUBJECTS WITH AND WITHOUT HEART DISEASE A65-80577

CHANGES OF SERUM GLUTAMIC-OXALDACETIC TRANSAMINASE
AND SERUM LACTIC DEHYDROGENASE DURING PHYSICAL
EXERTION A65-80621
- NERTNEY, R. J.
HUMAN FACTOR STUDIES FOR CONTROL AND EVALUATION OF
PERSONNEL BEHAVIOR UNDER FIELD WORKING
CONDITIONS - CONTROL SURVEILLANCE SYSTEM
IDO-17074 N65-25435
- NESTERENKO, A. I.
SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT A65-81325
- NESTERENKO, V. S.
RESPONSE OF VESTIBULAR APPARATUS TO IONIZING
RADIATION AND CORIOLIS ACCELERATION IN RABBITS
- EFFECT OF CORIOLIS ACCELERATION ON HUMANS -
AEROSPACE MEDICINE
JPRS-30927 N65-28174
- NESTEROV, V. E.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856

MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- NESWALD, R. G.
LIFE SUPPORT SYSTEMS RANGING FROM STORED OXYGEN
SUPPLY TO PARTIALLY REGENERATIVE SYSTEMS A65-33390

LIFE SUPPORT SYSTEMS IN SPACE MISSIONS A65-81854
- NETREBA, M. I.
WORKING CONDITIONS AROUND ULTRAHIGH FREQUENCY
GENERATORS - PERSONNEL SAFETY N65-13739
- NETTE, I. T.
MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS
JPRS-31360 N65-29790
- NEUHAUS, H.
RATE OF INCREASE OF STRENGTH THROUGH ISOMETRIC
TRAINING AS FUNCTION OF INITIAL RESTING LENGTH OF
MUSCLE IN MEN AND WOMEN A65-81271
- NEUMANN, T. W.
AUTOMATED BIOLOGICAL LABORATORY FOR DETECTION
AND CLASSIFICATION OF LIFE ON MARS A65-19518
- NEUMYVAKIN, I. P.
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS A65-18373

STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984

CHANGES IN RESPIRATORY AND CARDIOVASCULAR
FUNCTIONS AFTER PROLONGED EXPOSURE TO
LOW BAROMETRIC PRESSURE N65-13723

HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723
- NEURATH, P. W.
SIMPLE THEORETICAL MODELS FOR MAGNETIC
INTERACTIONS WITH BIOLOGICAL UNITS A65-80411
- NEUWIRT, J.
SERUM MUCOPROTEIN LEVELS AFTER STRESS, NOBLE-
COLLIP DRUM TRAUMA OR HYDROCORTISONE
ADMINISTRATION, IN YOUNG AND OLD RATS A65-82090
- NEVEROV, V. P.
RESPONSES OF VISUAL SYSTEM TO OPTOKINETIC STIMULI
IN RABBITS A65-82227

CHARACTERISTICS OF OPTOKINETIC NYSTAGMUS AFTER
PROLONGED OPTOKINETIC STIMULATION N65-13698
- NEVILLE, E. D.
CHANGES IN LIVER LIPID METABOLISM OF RATS
SUBJECTED TO HIGH-G ENVIRONMENT OBTAINED BY
CENTRIFUGING OVER LONG TIME PERIODS A65-33527

CONVERSION OF ACETATE TO LIPIDS AND CO₂ BY RATS OF
DIFFERENT AGES EXPOSED TO ACCELERATION STRESS
A65-81023

ACETATE CONVERSION TO LIPIDS AND CARBON DIOXIDE
BY EXPOSURE OF RAT LIVER TO ACCELERATION STRESS

- NASA-TM-X-51940 N65-29450
- NEVILLE, J. R.
POLAROGRAPHIC DETERMINATION OF OXYGEN CONTENT AND CAPACITY IN BLOOD SAMPLE A65-81637
- POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES SAM-TR-64-75 N65-23589
- OXYGEN DELIVERY RATE OF HUMAN BLOOD SAM-TR-64-89 N65-24592
- NEVZGODINA, L. V.
EFFECT OF GAMMA-RAYS AND 660 MEV ENERGY PROTONS ON CHROMOSOMES OF PLANT SEEDS A65-81601
- NEWBERRY, P. D.
SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS SPECTROMETER METHOD A65-80627
- NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS AFFECTED BY HYPOXIA A65-82369
- NEWCOMB, F. N.
HIGH INTENSITY IMPULSE NOISE FROM ORDNANCE AND TECHNIQUES FOR ATTENUATION AT PERSONNEL POSITIONS TN-4-64 N65-14344
- NEWGARD, P. M.
TRANSDUCER TO MEASURE BLOOD PRESSURE FOR APPLICATION ON SUPERFICIAL TEMPORAL ARTERY NASA-CR-293 N65-32277
- NEWMAN, F.
PULMONARY DIFFUSING CAPACITY IN MAN DURING IMMERSION IN WATER A65-81900
- NEWSOM, B. D.
HUMAN ROTATIONAL TOLERANCE DETERMINED FROM EQUILIBRIUM AND WALKING CHANGES AT 5, 7-1/2, 10 AND 12 RPM IN REVOLVING SPACE STATION SIMULATOR A65-22905
- ROTARY TRACKING OF TARGET AND TARGET LIGHT BY 24 ENGINEERS IN SPACE STATION SIMULATOR REVOLVING AT 7.5, 10.0 AND 12.0 RPM A65-22907
- ROTARY TRACKING OF TARGET AND LIGHT IN SPACE STATION SIMULATOR REVOLVING AT 7.5, 10.0, AND 12.0 RPM A65-80894
- EQUILIBRIUM AND WALKING CHANGES OBSERVED IN REVOLVING SPACE STATION SIMULATOR A65-80947
- NEWSON, L. J.
CONSTANCY IN SIZE PERCEPTION RELATED TO FOVEAL DIAMETER A65-82082
- NEWTON, J. C.
RADIATION EFFECT ON RETINA - BURN INJURY STUDY R-1747 N65-23889
- NEWTON, J. L.
RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD FLOW, AND BODY TEMPERATURE IN WORK A65-81631
- NEWTON, J. M.
TRANSFER OF TRAINING BETWEEN QUICKENED AND UNQUICKENED DISPLAYS. A65-82329
- NEWTON, N. L.
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE NUCLEAR DETONATIONS A65-14240
- PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND OTHER SEVERE OCULAR DAMAGE A65-14385
- NG, Y. C.
NEUTRON ACTIVATION NUCLIDES IN ROCK AND SOIL FROM UNDERGROUND NUCLEAR EXPLOSIONS - PLOWSHARE PROGRAM UCRL-14249 N65-35020
- NICHIPOROVICH, A. A.
FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS DURING PHOTOSYNTHESIS IN CHLORELLA PYRENDIDOSA A65-80597
- NICHOLS, D. C.
THERMOELECTRIC SYSTEM FOR WATER RECLAMATION FROM URINE AMRL-TR-65-29 N65-29615
- NICHOLS, G., JR.
DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE AND CARTILAGE N65-18090
- ABRUPT DECELERATION OF HUMAN RESTRAINED BY STRAP - EFFECT ON MOTION AND POSITION, AND SAFETY PROBLEMS OF HIGH G FORCE N65-19678
- NICHOLSON, D.
DETECTION AND STUDY OF MICROBIAL POPULATION IN UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE SAMPLING WITH ELECTROSTATIC PRECIPITATOR N65-23986
- NICKERSON, J. L.
BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL VIBRATION STRESS AMRL-TDR-64-58 N65-10467
- NICKERSON, R. S.
PSYCHOLOGICAL REFRACTORY PERIOD IN BISENSORY TRACKING TASK A65-82288
- RESPONSE TIME TO SECOND OF TWO SUCCESSIVE SIGNALS AS FUNCTION OF ABSOLUTE AND RELATIVE DURATION OF INTERSIGNAL INTERVAL A65-82328
- NICKS, O. W.
STERILIZATION PROCEDURES FOR PLANETARY SPACECRAFT PROBES ENSURING CLEAN COMPONENT MANUFACTURE AND HARDWARE ASSEMBLY A65-25914
- NICOL, E. H.
MODIFIABILITY OF DECISIONS MADE IN CHANGING ENVIRONMENTS - HUMAN BEHAVIOR ESD-TR-64-657 N65-17007
- NICOL, P. B.
SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING SEVERE HEAT EXPOSURE A65-80679
- NICOLAS, G.
OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF MECHANICS WORKING ON JET AIRCRAFT BASES A65-80125
- NICOLAS, M.
AUTONOMIC REACTIONS OBSERVED IN CATS DURING VERONIQUE ROCKET FLIGHT A65-80916
- NIDEN, A. H.
EFFECT OF CARBON MONOXIDE BREATHING ON CELLULAR STRUCTURE AND TISSUES OF LUNGS IN RATS A65-82272
- NIELSEN, V. K.
DIAGNOSIS AND TREATMENT OF ACUTE RENAL FAILURE DUE TO CARBON TETRACHLORIDE POISONING A65-82303
- NIESE, H.
NOISE STRESS- SUBJECTIVE JUDGMENT OF LOUDNESS AND NUISANCE COMPONENTS A65-81350
- NIESI, D. K.
ROLE OF U S AIR FORCE IN INTERNATIONAL MEDICINE A65-81775
- NIEWIAROWSKI, S.
RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO X-RAY IRRADIATION A65-80622
- NIJAKOWSKI, F.
TISSUE AND BLOOD SATURATION WITH BIOTIN IN RELATION TO CHARACTER OF MUSCULAR WORK A65-81963

- NIKITIN, M. D.**
 BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF
 MANNED SPACE FLIGHTS TO MOON FROM SOVIET
 EXPERIMENTAL STUDIES AND DATA A65-33034
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
 ON EARTH-MOON FLIGHT PATH N65-11908
 NASA-TT-F-279
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
 FLIGHT N65-13632
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
 VOSTOK SPACECRAFT N65-13657
- INSTALLATION OF BIO-UNITS IN VOSTOK III AND
 VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
 COSMIC RADIATION AND FLIGHT FACTORS ON
 BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
 N65-24488
- BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
 RADIATION DURING MANNED LUNAR SPACE FLIGHTS
 N65-28288
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR
 EARTH TO MOON MANNED SPACE FLIGHTS
 NASA-TT-F-9458 N65-32265
- NIKOLAYENKOV, YU. V.**
 REACTION OF BLOOD SYSTEM OF DOG TO REDUCED
 BAROMETRIC PRESSURE N65-13740
- NIKOLOV, N.**
 CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN
 ALTITUDES N65-17820
- NILSSON, W. D.**
 U-SHAPED BACKWARD MASKING FUNCTION IN VISION WITH
 VARIED MASKING RING SIZE A65-82286
- NISSARDI, G. P.**
 ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING
 MUSCULAR WORK IN NORMAL MEN A65-81400
- NIVEN, J. I.**
 INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL
 ILLUSIONS A65-81218
- VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE
 MOVEMENT N65-27513
 NASA-CR-63651
- NIXON, C. W.**
 HUMAN REACTIONS TO SONIC BOOM, EXAMINING
 PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS AND
 PROPERTY DAMAGE A65-24071
- HUMAN PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSE TO
 SONIC BOOM A65-81062
- NIXON, J. C.**
 PREDICTING HEARING LOSS FROM NOISE-INDUCED
 TEMPORARY THRESHOLD SHIFT A65-80838
- NOBLE, C. E.**
 AGE AND SEX PARAMETERS IN HUMAN PSYCHOMOTOR
 LEARNING A65-80262
- NOBLE, M.**
 TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION,
 AND RETENTION OF TRACKING SKILL A65-82055
- NOBLE, M. E.**
 VERBAL CODING AND DISPLAY CODING IN ACQUISITION
 AND RETENTION OF TRACKING SKILL A65-82293
- ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED
 PERFORMANCE N65-28853
 NASA-CR-63837
- NODA, H.**
 FUNDAMENTAL STUDIES ON HIGH ENERGY RADIATION
 SHIELDING BY VARIOUS METALS A65-80101
- NODER, W.**
 HEART MINUTE VOLUME AS QUADRATIC FUNCTION OF
- OXYGEN UPTAKE IN NORMAL MEN DURING PHYSICAL
 EXERCISE A65-80403
- HEART MINUTE VOLUME DURING PHYSICAL EXERCISE AS
 INFLUENCED BY BODY SURFACE AREA AND AGE A65-81348
- NORMAL VALUES OF CARDIOVASCULAR FUNCTION DURING
 PHYSICAL EXERCISE - RELATIONSHIP OF PULSE RATE AND
 STROKE VOLUME TO CARDIAC MINUTE VOLUME IN NORMAL
 MALE ADULTS A65-81689
- NOLAN, A. C.**
 TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
 PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
 WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
- PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN
 SATURATION DECREASE DUE TO PULMONARY ARTERIAL-
 VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO
 FORWARD ACCELERATION A65-29057
- BLOOD OXYGEN CHANGES INDUCED BY FORWARD
 ACCELERATION N65-21039
 AMRL-TR-64-132
- NOLAN, J. R. M.**
 PILOT TRAINEE SELECTION PROGRAM OF IRISH
 INTERNATIONAL AIRLINES A65-81779
- NOLAND, J. H.**
 STIMULUS DIMENSIONS OF ROTATING SPIRALS A65-82231
- NOMURA, Y.**
 HISTOCHEMICAL DEMONSTRATION OF
 ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
 OF VESTIBULAR BONES OF GUINEA PIGS A65-81044
- ACETYLCHOLINESTERASE ACTIVITY IN EFFERENT FIBERS
 OF COCHLEA AND VESTIBULAR APPARATUS OF CAT A65-82307
- NORBY, J. G.**
 EFFECT OF FASTING IN RAT FOR 26 HOURS ON LIPID
 METABOLISM OF HEART AND PLASMA A65-81128
- NORDLUND, B.**
 STAPEDIUS MUSCLE REFLEX FUNCTION IN PROTECTION
 AGAINST NOISE INJURY AND IN UNDERSTANDING OF
 SPEECH A65-80010
- NORDDY, S.**
 CHANGES OF SERUM GLUTAMIC OXALOACETIC TRANSAMINASE
 ASSESSED BY SPECTROPHOTOMETRY FOLLOWING EXERCISE
 IN SUBJECTS WITH AND WITHOUT HEART DISEASE A65-80577
- NOREN, G.**
 PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
 MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
 IMPEDANCES A65-10727
- ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
 CARDIAC CYCLE OUTPUT OBSERVATION N65-16607
- NORMAN, D.**
 ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
 TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
 AND RADIATION PROTECTION N65-21422
 NASA-CR-62133
- NORMAN, M. F.**
 PROBABILISTIC MODEL FOR FREE RESPONDING
 AFOSR-65-0288 N65-22808
- NORRIE, M. L.**
 REACTION TIME FOR TASKS INVOLVING ARM AND LEG
 MOVEMENTS A65-80522
- NORRIS, H. T.**
 MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
 INFANT RABBITS - HUMAN DISEASE N65-22294
- NORTHUP, D. W.**
 DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING

- EXERCISE AND HYPOXIA A65-80990
- NORTON, S.
SPONTANEOUS SLOW POTENTIAL OSCILLATIONS OF
CEREBRAL CORTEX OF CAT DURING SLEEP AND
WAKEFULNESS IN RESPONSE TO AMPHETAMINE,
CHLORPROMAZINE, THIOPENTAL AND NEW PYRIMIDINE
DERIVATIVE A65-82300
- NORWOOD, W. D.
REPRODUCTIVE AND HEMATOPOIETIC SYSTEMS OF HUMANS
AS AFFECTED BY ACCIDENTAL RADIATION EXPOSURE A65-80755
- NOVAK, A. F.
LOW DOSE COBALT 60 GAMMA RADIATION PASTEURIZATION
OF SHELLFISH FOR EXTENDING STORAGE LIFE
ORD-626 N65-22081
- NOVAK, L.
METHOD OF CALCULATING TOTAL HEAT
LOSS IN HOMOIOTHERMIC ORGANISM A65-80231
- NOVIK, I. B.
CYBERNETICS - PHILOSOPHY AND SOCIOLOGY
JPRS-22814 N65-17310
- METHODS, FUNCTIONAL NATURE, AND DIALECTICS OF
FUNCTION AND STRUCTURE IN CYBERNETIC MODELING
JPRS-29053 N65-18365
- NOVIKOV, M.
AVIATION MEDICINE - SPACE SCIENCE
JPRS-27883 N65-12931
- MEDICAL PROBLEMS IN SPACE TRAVEL - AEROSPACE
MEDICINE
JPRS-28113 N65-14157
- NOVIKOVA, L. A.
ORIGIN OF CEREBRAL CORTEX RHYTHMICITY AND ANALYSIS
OF ELECTROENCEPHALOGRAM N65-16728
- NOVOTNY, Z.
VARIATIONS OF MOTOR RESPONSES TO GRAVITATIONAL
STIMULI CAUSED BY CHANGES OF SENSORY PERCEPTION
IN PIGEONS A65-80215
- NOWAK, W.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- NOWITZKY, A. M.
SPACECRAFT STERILIZATION CONSIDERATION IN DESIGN
OF MANNED INTERPLANETARY SPACE VEHICLES
AIAA PAPER 65-503 A65-30214
- NOZDRACHEV, A. D.
COLD EFFECT ON CORTICOSTEROID ACTION ON THYROID
GLAND FUNCTION IN RATS A65-80712
- NUDMAN, S. I.
ROTATIONAL TRAINING EFFECT ON MOTOR CONDITIONED
REFLEXES IN RAT A65-80105
- EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION
ON CONDITIONED REFLEX IN RATS A65-80929
- NURIKHMETOVA, Z. IU.
EMOTIONAL STRESS EFFECT ON FREE AMINO ACIDS IN
BLOOD IN PILOTS A65-80722
- NUTINI, L. G.
MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE
AS RELATED TO TISSUE TYPE AND AGE AND FIELD
STRENGTH AND TEMPERATURE A65-80426
- NUZHIN, N. I.
PECULIARITIES OF PROTECTIVE EFFECT OF
BETA-MERCAPTOETHYLAMINE DURING FORMATION OF
CHROMOSOME ABERRATIONS IN LIVER CELLS OF MAMMALS
IRRADIATED WITH GAMMA-RAYS A65-81190
- EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE
TREE /EVOKYMUS EUROPAEA/ CARRIED ON BOARD OF
SPACECRAFT VOSTOK-5 A65-81999
- RADIOSENSITIVITY OF ANIMAL AND HUMAN LYMPHOCYTES
DETERMINED FROM IRRADIATED SAMPLES
- JPRS-29282 N65-19472
- CHROMOSOME ABERRATIONS IN RELATION TO HUMIDITY
OF SEEDS AND IRRADIATION INTENSITY N65-25614
- NUZHNYI, D. A.
OXYGEN DEFICIENCY AS HYPOXIA INDEX DURING EARLY
STAGES OF HYPERTENSION IN HUMANS N65-17798
- NYHUS, L. M.
STRESS OF CAPTIVITY AND ADRENAL EXHAUSTION IN
MACACA NEMESTRINA A65-80307
- NYUBERG, N. D.
HUMAN VISION DESCRIBED AS MECHANICAL INFORMATION
SYSTEM - CYBERNETICS AND INFORMATION THEORY
FTD-TT-64-401/1 N65-17173
- OBATUROV, G. M.
CALCULATION OF MAXIMUM PERMISSIBLE CONCENTRATIONS
OF BETA-RADIOACTIVE GAS IN AIR OF WORK PREMISES
AND IN ATMOSPHERE N65-26392
- OBERMAYER, R. W.
PILOT EYE FIXATIONS WHILE FLYING MANEUVERS WITH
BOTH VERTICAL MOVING TAPE INSTRUMENTS AND ROUND
DIAL INSTRUMENT A65-30103
- SIMULATION, MODELS, AND GAMES AS ANALOGIES
MEASUREMENT CRITERIA IN MAN-MACHINE SYSTEM
SIMULATION
NASA-CR-257 N65-27397
- OBERST, F. W.
CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION
EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON
VARIOUS ANIMALS A65-18431
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND
TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND
MONKEYS BREATHING RELATIVELY PURE OXYGEN A65-80581
- OBLAPENKO, P. V.
REFLEX REACTIONS OF DOG TO BREATHING UNDER
INCREASED INTRAPULMONARY PRESSURE N65-13741
- OBRAZTSOVA, G. A.
EFFECT OF VESTIBULAR STIMULATION BY ACCELERATION
ON CONDITIONED REFLEX IN RATS A65-80929
- O'BRIEN, R. C.
EFFECT OF SOME AUTONOMIC DRUGS ON GROUND SQUIRREL,
CITELLUS TRIDECIMLINEATUS, DURING HIBERNATING
CYCLE A65-81467
- OBRIST, W. D.
PRESNESENT ELECTROENCEPHALOGRAPHIC CHANGES
IN NORMAL SUBJECTS A65-81860
- OCHBERG, F. M.
TIME JUDGMENT CORRELATED WITH PULSE RATE A65-80258
- TIME JUDGMENT- COMPARISON OF METHODS OF
REPRODUCTION AND ESTIMATION A65-81031
- OCHINSKAYA, G. K.
IRRADIATION OF BEETLES FOR MEASURING OXYGEN EFFECT
ON RADIATION AT VARIOUS RADIATION DOSE RATES
N65-26384
- OCKERMAN, D. L. M.
COMPUTER SIMULATION OF VISUAL DATA PROCESSING OF
HUMAN BRAIN ON IBM 1620 AND IBM 7094 DIGITAL
COMPUTERS
GGC/EE/65-10 N65-35197
- O'CONNELL, D. C.
APPARENT VERTICALITY- FUNDAMENTAL
VARIABLES OF SENSORY-TONIC
THEORY REINVESTIGATED A65-80239

CONNELL, D. N.
SPECIFIC MOTOR RESPONSE DURING SLEEP TO
SLEEP-ADMINISTERED MEANINGFUL SUGGESTION
A65-81012

ODENDAAL, W. A.
PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA
A65-81120

ODENTHAL, D. W.
PERCEPTION AND NEURAL REPRESENTATION OF
SIMULTANEOUS DICHOTIC PURE TONE STIMULI IN CAT,
GUINEA PIG, AND MONKEY
A65-80787

ODLAND, L. T.
BODY TEMPERATURE, WEIGHT, AND HEMATOLOGICAL
INDICES, AND SURVIVAL OF DOG DURING X-RAY
IRRADIATION OF LOWER BODY
A65-82365

ODERLEIN, K. F.
ORIENTATION ON NUCLEAR RADIATION, NUCLEAR SAFETY,
AND EMERGENCY MEASURES
N65-15416

OFFERHAUS, L.
DIABETES DETECTION METHODS IN AEROMEDICAL
EXAMINATIONS
A65-81110

OFLAHERTY, A. L. M.
CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS
A65-82050

OFLAHERTY, J. J.
CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS
A65-82050

OGANISYAN, A. A.
ELECTROPHYSIOLOGICAL INVESTIGATIONS OF NATURE OF
STANDING IN MAN
JPRS-27841
N65-12874

OGINO, K.
UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION
A65-80334

OGINSKI, A.
EFFECT OF GRAVITY EMPTYING WITH VARIOUS TEST MEALS
AND POSTURES
A65-81246

OGLE, K. N.
MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT
OBSERVATION
A65-82289

OGLESBY, R. T.
ENGINEERS ROLE IN REGARD TO BIOLOGICAL SCIENCES,
NOTING TREND IN EDUCATION
A65-33501

OHANLON, J., JR.
RELATION BETWEEN SIGNAL DETECTION PERFORMANCE AND
ADRENALINE AND NORADRENALINE CONCENTRATION IN
HUMAN PLASMA DURING VIGILANCE TASK
TR-750-5
N65-11250

PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3
N65-15728

OKADA, A.
VIBRATION TRANSMISSION TO HUMAN BODY AT DIFFERENT
BACKREST INCLINATIONS
A65-80174

OKAMOTO, Y.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION
A65-81434

OKASAKA, K.-I.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION
A65-81434

OKELLY, L. I.
HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999

OKLEY, R. W.
EFFECTS OF MISCELLANEOUS WASTE ON MESOPHILIC
ACTIVATED SLUDGE DURING MANNED SPACE FLIGHT -
SOAPS, DETERGENTS, AND VOMITUS
SAM-TDR-64-41
N65-10014

OKUTOMI, A.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION
A65-81434

OLCOTT, T. M.
TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR
PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER
RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON
DIOXIDE AND TRACE CONTAMINANT REMOVAL
AIAA PAPER 65-501
A65-29441

OLIVER, W. J.
PHYSIOLOGICAL EFFECT OF CONTINUOUSLY INCREASING
HYPOXIC LEVEL IN RAT WITH SPECIAL REFERENCE TO
JUXTAGLOMERULAR CELLS OF KIDNEY
A65-80559

OLNYAMSKAYA, R. P.
MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON
VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY
MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT
TEMPERATURE
A65-30482

PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN
TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING
CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS
EXCHANGE
N65-31041

OLSEN, C. R.
RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE
A65-80667

OLSEN, I. A.
DISCRIMINATION OF AUDITORY INFORMATION AS RELATED
TO AGE
A65-81863

OLSON, R. S.
PERCEPTION OF VERTICALITY AS FUNCTION OF PRACTICE,
SET, SEX, AND FAMILIARITY WITH APPARATUS
A65-80626

OMALLEY, B. W.
INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE
A65-82360

ONEILL, A.
RESPONSE OF RIGHT ATRIAL PRESSURE TO VALSALVA
MANEUVER AFTER INFUSION OF NOREPINEPHRINE
A65-80663

OPARIN, A. I.
HISTORY OF BIOGENETIC AND ABIOTIC THEORIES
A65-80470

CHEMICAL PATHWAYS OF THE PRIMARY DEVELOPMENT OF
METABOLISM AND ARTIFICIAL MODELING OF DEVELOPMENT
IN COACERVATE DROPS
A65-80484

OPENSHAW, J. W.
VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK
A65-82081

OPFELL, J. B.
MICROBIAL CONTAMINANTS EVALUATION FOR STERILITY IN
INTERIORS OF SPACECRAFT, NOTING CULTURING
TECHNIQUE
A65-25418

OPPERMANN, F.
ADENOSINE TRIPHOSPHATE, ADENOSINE DIPHOSPHATE, AND
ADENOSINE MONOPHOSPHATE IN NORMAL AND CARBON
TETRACHLORIDE DAMAGED LIVERS OF MICE
A65-80326

OPTICAN, A. W.
FIRST GENERATION MANNED SPACECRAFT ENVIRONMENTAL
CONTROL SYSTEM
STL-9990-6397-RU-000
N65-27158

OQUIGLEY, S.
PILOT TRAINEE SELECTION PROGRAM OF IRISH

- INTERNATIONAL AIRLINES A65-81779
- ORBAN, M.
LEARNING PROCESS IN SELF-ADAPTIVE CONTROLS FOR
LARGE-SCALE PROCESSES A65-35004
- ORD, J. W.
HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING
HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY,
WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL
PROBLEMS, ETC A65-35148
- HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS
A65-82318
- ORDWAY, F. I., III
DETECTING LIFE IN OTHER SOLAR SYSTEMS A65-81263
- ORIONE, G.
CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS
OF RESUSCITATION IN DOGS A65-80293
- HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE
POISONING IN DOGS A65-80294
- ORLOV, V. V.
INVESTIGATION OF UNCONDITIONED VASCULAR REFLEXES
UPON THERMAL STIMULATION OF SMALL SKIN AREAS
A65-81304
- ORLOVA, L. V.
DEGREE OF FRAGILITY OF GUINEA PIG PERIPHERAL BLOOD
ERYTHROCYTES AFTER LETHAL DOSE OF GAMMA-RADIATION
A65-80537
- ORLOVA, V. F.
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
- STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984
- HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723
- ORLYANSKAYA, R. L.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781
- ORME, J. E.
PERSONALITY, TIME ESTIMATION, AND TIME EXPERIENCE
A65-81317
- ORNE, M. T.
SPECIFIC MOTOR RESPONSE DURING SLEEP TO
SLEEP-ADMINISTERED MEANINGFUL SUGGESTION
A65-81012
- ORNSTEIN, G. N.
ENHANCING QUALITY OF IMAGERY INVESTIGATED USING
STANDARD TEST PATTERNS AND AERIAL PHOTOGRAPHS
AMRL-TR-65-28 N65-30632
- ORO, J.
CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES
A65-34670
- ENERGY SOURCES AND CHEMICAL REACTIONS IN
PREBIOLOGICAL ORGANIC SYNTHESIS
A65-80473
- ORRICK, W.
AUTOMATIC EDITING TECHNIQUES FOR DISCRIMINATING
TELEMETERED BIOELECTRIC SIGNALS FROM SURROUNDING
NOISE A65-10547
- ARTIFACT PROBLEM IN TELEMETRY OF PHYSIOLOGICAL
VARIABLES AND NEED FOR COMPUTER ANALYSIS
A65-81054
- ORTHEY, G. F.
FREQUENCY DISTRIBUTION OF ERYTHROCYTE VOLUMES IN
NORMAL ACUTELY BLED DOGS
- UR-662 N65-23105
- ORVICK, J. M.
BIOGRAPHICAL CORRELATES OF MILITARY PERFORMANCE
PREDICTION AT LARGE ANTARCTIC STATION
REPT-64-22 N65-19567
- ORZALESI, M. M.
DISTRIBUTION OF VENTILATION IN NORMAL SUBJECTS OF
BOTH SEXES FROM 7 TO 45 YEARS OF AGE BY NITROGEN
WASHOUT METHOD A65-80306
- OSAKI, S.
COPPER PROTEINS AND OXYGEN - CORRELATIONS BETWEEN
STRUCTURE AND FUNCTION OF COPPER ENZYMES
FSU-2690-21 N65-34320
- OSBURN, H. G.
VALIDATION OF CAREFULNESS TEST BATTERY USED IN
PERSONNEL SELECTION A65-81555
- OSBURN, J. W., JR.
ECONOMIC IMPACT OF PRESERVATION OF FOOD BY
IRRADIATION - RADIATION STERILIZATION,
PASTEURIZATION, AND DISINFECTION
TIC-21431 N65-25873
- OSHCHEPKOV, P. O.
PROSPECTIVE USES OF CONVERTING INVISIBLE AREAS OF
ELECTROMAGNETIC SPECTRUM TO VISIBLE SPECTRUM
RANGE
JPRS-29212 N65-20096
- OSIPOVA, I. V.
ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE
N65-35152
- OSIPOVA, M. M.
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681
- CHANGES IN RESPIRATORY AND CARDIOVASCULAR
FUNCTIONS AFTER PROLONGED EXPOSURE TO
LOW BAROMETRIC PRESSURE N65-13723
- OSTERHOFF, W. E.
INFLUENCE OF CARTOGRAPHIC VARIABLES ON GEOGRAPHIC
ORIENTATION PERFORMANCE OF PILOTS OF LIGHT
ATTACK AIRCRAFT
TR-751-3 N65-15105
- GEOGRAPHIC ORIENTATION IN AIRCRAFT PILOTS -
CHART SCALE AND PILOT PERFORMANCE
TR-751-4 N65-34537
- OSTERHOUT, S.
CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY A65-81868
- OSWALD, W. J.
CLOSED ECOLOGICAL SYSTEM FOR EXTENDED MANNED SPACE
FLIGHT REQUIREMENTS, NOTING MICROTERELLA AND
ALGATRON SYSTEMS A65-33150
- HARVESTING AND PROCESSING SEWAGE GROWN PLANKTONIC
ALGAE
SERL-64-8 N65-12782
- RECLAMATION OF NUTRITIONAL ORGANIC MATERIAL
FROM WASTE WATER - ALGAE CULTURING
SERL-64-6 N65-19655
- DETECTION AND STUDY OF MICROBIAL POPULATION IN
UPPER ATMOSPHERE - SIMULATED HIGH ALTITUDE
SAMPLING WITH ELECTROSTATIC PRECIPITATOR
N65-23986
- OTEY, E.
HEPARIN EFFECT ON LACTIC ACID PRODUCTION IN DOGS
DURING HYPOXIA - ANIMAL STUDY
SAM-TR-64-78 N65-34068
- OTIS, A. B.
COMPARISON OF CHRONIC HYPOXIA OF ALTITUDE AND THAT
PRODUCED BY RIGHT TO LEFT CIRCULATORY SHUNTS
A65-80359

OTT, C.
WASTE MANAGEMENT FOR CLOSED ENVIRONMENTS - PROCESS
CONTROL, COLLECTION, TRANSPORT, AND TREATMENT
N65-18577

OTTO-BUCZKOWSKA, E.
EFFECT OF LOW FREQUENCY VIBRATION ON DIAMETER OF
ERYTHROCYTES IN RATS
A65-81956

OYAKIMOV, V. G.
DISTRIBUTION OF PSEUDOURA AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE
A65-81675

OYCHINNIKOV, E. F.
TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION
N65-12735

OVERMAN, R. H.
PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF X-RAY
IRRADIATED DOGS TO INDUCED MUSCULAR CONTRACTIONS
OF HIND LEGS IN VIVO
TID-20979, ADDEND.
N65-30567

OWENS, B. W.
HORSEPOWER OUTPUT OF HUMAN BEINGS AS FUNCTION OF
HEARTBEATS IN MECHANICAL CRANKING
A65-25245

OXBORROW, G. S.
DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES
NASA-CR-67267
N65-35116

OYAMA, J.
SHORT-TERM CENTRIFUGATION STRESS EFFECTS ON LIVER
CARBOHYDRATE METABOLISM IN MICE
A65-18202

METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY
A65-23416

PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS,
AND BLOOD OF RAT.
A65-81746

P

PACE, N.
HEMODYNAMIC EVALUATION OF PRIMATES BEFORE,
DURING, AND AFTER LONG PERIODS OF WEIGHTLESSNESS
IN EARTH-ORBITING SATELLITE
N65-28758

ESTABLISHMENT OF PHYSIOLOGICAL PROCEDURES AND
INSTRUMENTATION FOR AUTOMATIC MEASUREMENT OF
HEMODYNAMIC AND METABOLIC PARAMETERS DURING
PROLONGED WEIGHTLESSNESS
NASA-CR-63915
N65-29147

PACELA, A. F.
IMPEDANCE PNEUMOGRAPHY AS USEFUL ALTHOUGH INDIRECT
TECHNIQUE FOR RESPIRATORY VOLUME AND RATE
MEASUREMENT
A65-34476

PACKER, E. L.
REPEATED FREEZING AND THAWING OF CULTURES OF
ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND
FROZEN WITHOUT CARBON SOURCE
A65-32937

PAINE, L. W.
RECOGNITION VALUES UNDER VARYING LEVELS OF IMAGE
DEGRADATION
ESD-TDR-64-666
N65-18963

PAINTER, R. B.
REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN
CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL
DEOXYRIBOSIDE
A65-18398

PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS
EFFECT ON EARLY THYMINLESS DEATH OF ESCHERICHIA
COLI B3 EXPOSED TO UV RADIATION
A65-21948

ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION
PROBLEM

NASA-SP-75
N65-34227

PALECEK, E.
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND
CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID
SYNTHESIS AFTER RADIATION
N65-23461

PALECEK, F.
ELASTIC COMPONENT AND COURSE OF FATIGUE IN
DENERVATED MUSCLE OF RAT
A65-81709

PALESTINI, M.
EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS
A65-82276

PALKA, J.
DIFFRACTION AND VISUAL ACUITY OF INSECTS
A65-36091

PALLAS, J. E., JR.
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941

PALMER, J. I.
PULMONARY DIFFUSING CAPACITY IN MAN DURING
IMMERSION IN WATER
A65-81900

PALOMARES CASADO, M.
INTERRELATIONSHIPS AMONG BIOMETEOROLOGY,
ANTHROPOLOGICAL ENGINEERING, MEDICINE AND
PSYCHOTECHNICS
A65-19770

PALTSEV, E. I.
VARIATIONS IN TREMOR FREQUENCY RANGE WITH TYPE OF
MOTOR UNIT WORK IN MAINTAINING POSTURE
A65-80751

PALYGA, G. F.
DISTRIBUTION OF PSEUDOURA AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE
A65-81675

RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS
N65-13781

PANCHENKOVA, E. F.
SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097

CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT
A65-80439

BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT
A65-81325

BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157
N65-14606

REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404

BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION,
AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
N65-27136

PANDOLFI, S.
STEROID ANTIHISTAMINIC THERAPY IN EXPERIMENTAL
CEREBRAL EDEMA IN MONKEYS
SAM-TDR-64-56
N65-22075

INTRAVENOUS HYPERTONIC UREA AS THERAPY FOR
ALLEVIATING EFFECTS OF CEREBRAL HEMORRHAGE AND
EDEMA IN MONKEYS
SAM-TDR-64-18
N65-30745

PANFEROVA, N. YE.
RHYTHM OF PHYSIOLOGICAL FUNCTIONS IN LIMITED
MOBILITY DURING SPACE FLIGHT
N65-13742

- PANGELOVA, T. K.
ANIMAL STUDY - FEASIBILITY OF USING MONOCHROMATIC
ULTRAVIOLET AND VISIBLE LIGHT TO STIMULATE
ISOLATED GIANT AXON OF RAIN WORM
N65-32663
- PANKAU, J. W.
QUANTITATIVE DATA ACQUISITION ON ANATOMY OF MEDIAL
AND LATERAL MAMMILLARY NUCLEI AND RELATED
STRUCTURES OF ASSOCIATED NEUROANATOMIC COMPLEX OF
CAT BRAIN, NOTING ULTRASONIC LESIONS
A65-30738
- PANKOVICH, A. M.
OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL
BONE REACTION IN ESTROGEN TREATED MICE BY AMINO
ACETONITRILE
N65-18089
- PANKOWSKA, U.
RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229
- PANNIER, R.
BACKACHE IN AIRPLANE AND HELICOPTER FLYING
PERSONNEL RESULTING FROM ACCIDENTS, INCREASING
AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY
A65-81818
- PROBLEMS OF BLACKOUT DURING AIRCRAFT FLIGHT
A65-81825
- PANTYUKHOVA, V. V.
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4
A65-81620
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682
- PANUSKA, J. A.
CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL
RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS
LEVELS
A65-82161
- PANY, J. E.
CYSTEAMINE AND AET /ISOTHIURONIUM/ EFFECTS ON
OXYGEN CONSUMPTION AND BODY TEMPERATURE OF MOUSE
A65-80325
- PAOLUCCI, G.
HISTOLOGICAL STUDY OF ORGANS OF MICE IRRADIATED
WITH CO 60 AND GRAFTED WITH HOMOLOGOUS BONE
MARROW
A65-20985
- STATISTICAL ANALYSIS OF PATHOLOGICAL CAUSES FOR
DISQUALIFICATION OF PILOT CANDIDATES IN THE
ITALIAN AIR FORCE
A65-80216
- HISTOLOGICAL CHANGES IN LIVER, SPLEEN, AND BONE
MARROW OF MICE TWICE IRRADIATED WITH COBALT 60
DURING ANOXIA AND GRAFTED WITH HOMOLOGOUS BONE
MARROW
A65-81265
- ENZYME ACTIVITY IN RATS ASSOCIATED WITH ORGAN
DAMAGE CAUSED BY TRANSVERSE ACCELERATIONS OF LARGE
FORCE AND SHORT DURATION
A65-81837
- PAQUIER, P.
SYNTHETIC FOOD PRODUCED FROM CULTURE OF
MICROORGANISMS ON KEROSENE
A65-81396
- PARACHEV, A. M.
PATTERN RECOGNITION PROBLEMS - CLASSIFICATION,
CYBERNETIC INTERPRETATION OF RECOGNITION
PROCESS, ALGORITHMS, AND PROBABILITY PROCEDURES,
AND THEORETICAL CONSIDERATION OF SOLUTION
JPRS-31440
N65-30682
- PARADIJEFF, A.
BODY TISSUE DAMAGE IN DOGS CAUSED BY SINUSOIDAL
VIBRATION STRESS
AMRL-TDR-64-58
N65-10467
- PARADOWSKI, A.
CEREBRAL BLOOD FLOW DURING CHANGES IN BODY
POSITION IN DOGS
A65-81858
- PARFENOV, G. P.
WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON
REPRODUCTION IN DROSOPHILA MELANOGASTER AND
HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA
A65-30691
- VIBRATION, ACCELERATION AND GAMMA RADIATION EFFECT
ON APPEARANCE OF DOMINANT LETHALS IN RUDIMENTARY
CELLS OF DROSOPHILA
A65-32302
- APPEARANCE OF DOMINANT LETHALS IN DROSOPHILA
DURING EXPOSURE TO VIBRATION, ACCELERATION AND
GAMMA-RADIATION
A65-82077
- GENETIC CROSSOVER IN DROSOPHILA MALES UNDER
INFLUENCE OF VIBRATION, ACCELERATION, AND GAMMA
RADIATION
N65-10066
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682
- SPACE FLIGHT MUTATION EFFECTS ON DROSOPHILA
MELANOGASTER DURING FLIGHT ON VOSTOK III AND
VOSTOK IV SPACECRAFTS
N65-24490
- PARIBOK, V. P.
DEPENDENCE OF RADIOSENSITIZING EFFECT OF OXYGEN ON
OXYGEN CONCENTRATION AND FREE RADICAL LIFETIME
N65-26383
- PARIN, V. V.
SPACE ENVIRONMENT INDUCED STRESS IN BIOLOGICAL
SYSTEMS AND ADAPTIVE-COMPENSATORY FUNCTIONS FROM
MEASUREMENTS OF SEROTONIN AND CERULOPLASMIN LEVELS
A65-25097
- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE
A65-30672
- PHYSIOLOGICAL DIAGNOSTIC INFORMATION COLLECTION IN
PROLONGED SPACE FLIGHT AND DATA HANDLING
TRANSMISSION SYSTEMS
A65-36232
- SYSTEMS OF BIOLOGICAL TELEMETRY AS APPLIED TO
BEHAVIORAL, PHYSIOLOGICAL AND MEDICAL RESEARCH
A65-80011
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS
A65-80979
- BLOOD SEROTONIN AND CERULOPLASMIN IN EVALUATING
VIBRATION, ACCELERATION AND RADIATION EFFECTS
DURING SPACE FLIGHT
A65-81325
- EFFECT OF CERTAIN DRUGS ON ANIMAL ORGANISM
RESPONSE TO ACCELERATION STRESS DURING SPACE
FLIGHTS
A65-81936
- ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277
N65-10303
- SOVIET AEROSPACE MEDICINE CONFERENCE ON EFFECTS OF
FLIGHT CONDITIONS ON PHYSIOLOGY AND PSYCHOLOGY
OF HUMANS AND ANIMALS
NASA-TT-F-228
N65-13626
- BIOLOGICAL EFFECTIVENESS OF SPACE FLIGHT FACTORS
NASA-TT-F-9157
N65-14606
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS,
MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING
SUBORBITAL AND ORBITAL FLIGHT
NASA-TT-F-305
N65-17465
- SPACE FLIGHT AND IONIZING RADIATION EFFECTS ON
ANIMAL BLOOD SEROTONIN CONCENTRATION, VASCULAR
REACTION TO CORIOLIS ACCELERATION, AND EFFECT
OF WEIGHTLESSNESS ON HUMAN BODY
JPRS-29156
N65-19645
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434
N65-21237
- BIOLOGICAL AND MEDICAL PROGRESS ON WEIGHTLESSNESS

- RESULTING FROM VOSKHOD MANNED SPACE FLIGHT
JPRS-29800 N65-22116
- BIOLOGICAL TELEMETRY WITH RADIO COMMUNICATION LINK
BETWEEN INFORMATION SOURCE AND INSTRUMENT FOR
RECORDING BIOLOGICAL DATA DURING MOVEMENT AND
ACTIVITY
FTD-MT-64-416 N65-22425
- CLINICAL ASPECTS OF MEDICAL PROGRAM FOR
INTERPLANETARY FLIGHT WITH PHYSICIAN IN
SPACECREW N65-23423
- MEDICINE AND OUTER SPACE, GROUP PSYCHOPHYSIOLOGY,
AND SPACE SUITS - U.S.S.R. SPACE PROGRAM
JPRS-29998 N65-23777
- RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE -
AEROSPACE MEDICINE
JPRS-30528 N65-25540
- BIOLOGICAL EFFECTS OF ACCELERATION, RADIATION,
AND SPACE FLIGHT FACTORS - AEROSPACE MEDICINE
N65-27136
- APPLICATION OF CYBERNETICS TO FIELD OF BIOLOGY
JPRS-31029 N65-29063
- ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909 N65-32356
- CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS N65-34776
- DIAGNOSTIC INFORMATION ACQUISITION PROBLEMS UNDER
SPACE FLIGHT CONDITIONS - AEROSPACE MEDICINE
CYBERNETICS
NASA-TT-F-9588 N65-35783
- PARIS, J.
EXCITATION-DURATION CURVES AFTER ACUTE
OCCUPATIONAL CARBON MONOXIDE POISONING
A65-80278
- PARISI, R. G.
TOOTHACHE PROVOKED BY LOWERED BAROMETRIC PRESSURE
DURING FLIGHT- CASE HISTORIES OF FLYING PERSONNEL
A65-81435
- PARIZKOVA, J.
INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON
METABOLISM OF ADIPOSE TISSUE IN RAT
A65-80182
- PARK, K. W.
MEASUREMENT OF FAT CONTENT OF REPUBLIC OF KOREA
FLYING PERSONNEL
A65-81489
- PARKER, A.
ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- PARKER, G. W.
HUMAN ADAPTABILITY TO SPACE FLIGHT CONSIDERING
HOSTILE ENVIRONMENT, COSTS, EFFECT OF GRAVITY,
WEIGHTLESSNESS, ACCELERATION, PSYCHOLOGICAL
PROBLEMS, ETC
A65-35148
- HUMAN ADAPTABILITY TO MILITARY SPACE SYSTEMS
A65-82318
- PARKER, J. F., JR.
EFFECTIVENESS OF THREE VISUAL CUES IN DETECTION OF
RATE OF CLOSURE WITH ANOTHER AUTOMOBILE AT NIGHT
BTI-64-1 N65-12090
- PARKER, R. T.
CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY
A65-81868
- PARKS, C. L.
PLANT TRANSPIRATION - RADIANT ENERGY, TEMPERATURE,
HUMIDITY, CHEMICAL EFFECTS, GUARD CELL ACTION,
AND MEASUREMENT AND INSTRUMENTATION
N65-23941
- PARKS, D. L.
VIBRATIONAL TESTING OF HUMANS FOR WHOLE BODY
VIBRATION EFFECT ON VISUAL-MOTOR PERFORMANCE
D3-3512-5 N65-18852
- VIBRATION TESTING OF HUMANS FOR WHOLE BODY
VERTICAL VIBRATION EFFECT ON TRACKING
PERFORMANCE
D3-3512-6 N65-18853
- PARR, R. M.
THORIUM DAUGHTER ISOTOPE ACTIVITIES IN THOROTRAST
PATIENTS
N65-18087
- PARRY, A. G.
SIMULATION EQUIPMENT APPLICATION TO TRAINING OF
AIRLINE GROUND AND FLYING PERSONNEL
A65-30468
- PARSONNET, V.
TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFRACTION
A65-80588
- PARSONS, E., JR.
EMERGENCY RETRIEVAL OF EXTRAVEHICULAR ASTRONAUT
USING LIGHTWEIGHT TETHERLINE AND ANCHOR MASS FOR
ANGULAR MOMENTUM TRANSFER
A65-35637
- PASEK, T.
EFFECT OF BODY POSTURE ON BLOOD COMPOSITION AND
CIRCULATION
A65-81718
- PASHININ, P. M.
SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING
GAMMA RADIATION EXPOSURE IN RABBITS
A65-82240
- PASINETTI, A.
RADIOBIOLOGICAL PROBLEMS IN PROTECTION,
PREVENTION, AND THERAPY OF HIGH ENERGY RADIATION
INJURY
DI/HP/39 N65-14173
- PASSANANTI, G. T.
HYPOOTHERMIA AND HYPOXIA EFFECT ON PROTEIN
METABOLISM AND ENZYME ACTIVITY OF DOG HEART
MUSCLE
A65-80178
- PASSERA, C.
BIOSYNTHESIS OF AMINO ACIDS IN GREEN ALGA,
CHLORELLA VULGARIS
A65-80346
- PASSEY, G. E.
CONTROL DATA ON PERFORMANCE OF AUDITORY VIGILANCE,
WARNING LIGHT MONITORING, AND PROBABILITY
MONITORING TASKS AS FUNCTION OF WORKLOAD
AKRL-TR-65-22 N65-21092
- PASTERNAK, B. S.
CATARACT INCIDENCE IN ARMY AND AIR FORCE RADAR
WORKERS OF VARIOUS AGES
A65-82038
- PASTUSHENKO-STRELETS, N. A.
EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE
TREE /EVOKYMUS EUROPAEA/ CARRIED ON BOARD OF
SPACECRAFT VOSTOK-5
A65-81999
- PASYSNISKIY, A. G.
RADIATION EFFECTS ON PROTEIN MOLECULES AND NUCLEIC
ACIDS IN SOLUTION AND ON INTERFACES
N65-23453
- PATH, F. C.
INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA
A65-81308
- PATH, M. C.
GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN
A65-80725
- INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA
A65-81308

- PATKAI, P.**
URINARY CATECHOLAMINE EXCRETION CONSTANCY IN MAN
A65-80252
- INTERINDIVIDUAL DIFFERENCES IN CATECHOLAMINE
EXCRETION DURING STRESS
A65-81883
- PATRICK, J. M.**
RESPIRATORY RESPONSE OF MAN TO HYPOXIA
A65-80357
- PATRICK, L. M.**
FACTORS IN ESTABLISHING TOLERANCE LEVELS IN IMPACT
TO HUMAN BODY AND PROTECTION OF SEAT CUSHION AND
HELMET - ACCELERATION STRESS
A65-80023
- PATRICK, R. L.**
PATHOLOGY AND TOXICOLOGY OF REPEATED DOSES OF
HYDRAZINE AND 1, 1-DIMETHYLHYDRAZINE IN MONKEY AND
RAT
A65-81215
- PATTEE, H. H.**
RECOGNITION OF HEREDITARY ORDER IN PRIMITIVE
CHEMICAL SYSTEMS, HEREDITARY TRANSFER IN
COPOLYMERS
A65-80487
- PATTERSON, G. W.**
NATURALLY OCCURRING STEROLS OF CHLORELLA VULGARIS,
C. ELLIPSOIDEA, AND C. SACCHAROPHILD
A65-82346
- ANALYTIC CHEMISTRY AND DETERMINATION OF STEROLS IN
SIX SPECIES OF CHLORELLA
N65-15804
- PATTERSON, J. L., JR.**
EVALUATION AND PREDICTION OF PHYSICAL FITNESS
IN MEN OF DIFFERENT AGES USING MODIFIED
APPARATUS OF HARVARD STEP TEST
A65-80209
- LIMB CIRCULATORY RESPONSE TO
HYPOCAPNIA IN ANESTHETIZED
DOG AS AFFECTED BY PHENOXYBENZAMINE
A65-80227
- RESPONSE MECHANISM IN DOGS OF CIRCULATION AND
CARDIOVASCULAR SYSTEM TO HYPOXIA
A65-81502
- HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION
OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON
DIOXIDE INHALATION
A65-81957
- PHYSICAL FITNESS METHODS FOR CIVIL AND MILITARY
PERSONNEL - HEART RATE CURVES DURING EXERCISE,
RECOVERY FROM EXERCISE, SENSITIVITY TO ILLNESS
NSAM-890
N65-24810
- PATTERSON, R.**
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
IMPEDANCES
A65-10727
- ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
CARDIAC CYCLE OUTPUT OBSERVATION
N65-16607
- PATTON, R. M.**
INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS
NASA-TM-X-51729
N65-21479
- PATTONO, R.**
ORGANIZATION OF AN ARTIFICIAL RESPIRATION CENTER-
THERAPY OF ACUTE CARBON MONOXIDE POISONING
A65-80281
- CARBON MONOXIDE ELIMINATION IN VARIOUS CONDITIONS
OF RESUSCITATION IN DOGS
A65-80293
- PAUL, A.**
SLEEP DEPRIVATION EFFECTS ON VISUAL ACUITY, MUSCLE
BALANCE, STEROSCOPIC VISION, TACHISTOSCOPIC
PERCEPTION AND COLOR VISION
A65-29058
- PAUL, P.**
PLASMA FREE FATTY ACID TURNOVER IN DOG DURING
EXERCISE AS RELATED TO PHYSICAL CONDITION AND
BLOOD LACTATE
A65-80680
- PAULHE, G. P.**
PERFORMANCE ON COMPLEX PSYCHOMOTOR ASSEMBLY TASK
UNDER FOUR SPEED CONDITIONS
A65-81001
- PAUSESCU, E.**
SOME ASPECTS OF CEREBRAL ENZYME ACTIVITY IN COURSE
OF DEEP HYPOTHERMIA IN DOGS
A65-81619
- PAVLIK, I.**
IONIZATION AND PHYSIOLOGICAL EFFECTS OF AIR IONS
AND USE IN TREATMENT OF DISEASE, BURNS, AND WOUNDS
A65-80494
- PAVLOK, M. J.**
PRESSURIZED SUIT AND AIRCRAFT CABIN FOR HIGH
ALTITUDE ACCLIMATIZATION - ARTIFICIAL INCREASE
OF AIR PRESSURE
FTD-TT-65-258/162
N65-25341
- PAVLOV, I. P.**
SUPERCOOLING MAMMALS AND RESTORING THEM TO NORMAL
BODY TEMPERATURE WITHOUT ALTERING NORMAL
PHYSIOLOGY
FTD-TT-65-74/162
N65-30489
- PAVLOV, M. I.**
EFFECT OF MUSCULAR STRESS OF DURATION OF DIFFERENT
COMPONENTS OF MOTOR REACTION OF LOWER EXTREMITIES
IN YOUNG ATHLETES
A65-81509
- PANLOMICZ, D.**
BLOOD HISTAMINE AND HISTIDINE DURING HEMODYNAMIC
CHANGES OF MEN EXPOSED TO HIGH ENVIRONMENTAL
TEMPERATURE
A65-81181
- PAYNE, M. L.**
HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES
TAC-TR-63-18
N65-16669
- PAYNE, O. E.**
FOREARM VASCULAR RESISTANCE MEASURE OF
NOREPINEPHRINE DEPLETION WHICH MAY OCCUR DURING
PROLONGED WEIGHTLESSNESS
NADC-ML-6511
N65-34467
- PEARCE, D. G.**
THREE-DIMENSIONAL RECORDING OF ROTATIONAL EYE
MOVEMENTS BY NEW CONTACT-LENS TECHNIQUE
A65-81050
- PEARCE, D. W.**
ATMOSPHERIC PHYSICS, RADIOLOGICAL PHYSICS,
RADIOLOGICAL CHEMISTRY, CHEMICAL EFFLUENTS
TECHNOLOGY, AND INSTRUMENTATION
BNWL-36
N65-33022
- PEARSONS, K. S.**
PERCEIVED NOISINESS OF COMPLEX SOUNDS CONSISTING
OF STEADY-STATE PURE TONE IMBEDDED IN RANDOM NOISE
BACKGROUND
A65-29976
- SUBJECTIVE REACTIONS TO SONIC BOOMS AND HUMAN
ADAPTATION OR REACTION
NASA-CR-187
N65-17877
- PEASE, V. P.**
REACTION TIME AS FUNCTION OF ONSET AND OFFSET
STIMULATION OF RETINAL FOVEA AND PERIPHERY
A65-81009
- PECCI, G.**
IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN
A65-30138
- GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479
- PECK, D.**
VERTICAL SINUSOIDAL VIBRATION - EFFECT ON
RESPIRATORY AIRFLOW AND TRANSPULMONARY PRESSURE
A65-81897
- PECORA, L.**
IRON THERAPY IN ACUTE CARBON MONOXIDE POISONING
A65-80284

PECORINI, V.
SCINTILLATION COUNTER USE IN DIAGNOSING MALIGNANT
THYROID TUMORS
REPT.-129 N65-23729

PEDERSON, P. D.
BALLOON-BORNE PROBES LAUNCHED TO DETERMINE
EXISTENCE AND IDENTIFICATION OF VIABLE
MICROORGANISMS AT HIGH ALTITUDES N65-23999

PEGRAM, V.
REACTION TIME OF PREADOLESCENT CHIMPANZEE
ARL-TR-64-10 N65-10466

PEISEL, F. J.
SUDDEN HEARING LOSS- TREATMENT AND CASE HISTORIES
A65-81431

PEKAS, J. C.
BIBLIOGRAPHY ON USE OF SWINE IN BIOLOGICAL AND
MEDICAL RESEARCH
BNWL-115 N65-34703

PEKHOV, A. P.
VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS A65-35818

BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE
FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND
SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC
BACTERIA A65-35819

STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620

STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT
FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN
SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
A65-81624

BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682

SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683

SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC
BACTERIA ESCHERICHIA COLI K-12 - PHAGE
PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE
TO IONIZING RADIATION N65-34943

BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI
SPACECRAFTS N65-34944

PELIS, L., JR.
SAFETY HAZARDS OF MICROWAVE RADIATION - BIOLOGICAL
EFFECTS AND PREVENTIVE MEASURES
A65-80788

PELKIS, P. S.
ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF
CESIUM 134 FROM ANIMALS
JPRS-27544 N65-11249

PENALOZA, D.
CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016

PENGUE, L.
BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD
POISONING OF RABBITS A65-81255

PENMAN, R. W. B.
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY
TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893

PENNER, R.
HUMAN CHORIORETINAL BURNS FROM HIGH ALTITUDE
NUCLEAR DETONATIONS A65-14240

PENNINGTON, J. E.
HUMAN VISION AND DEPTH PERCEPTION AGAINST

SIMULATED SPACE BACKGROUND
NASA-TN-D-2845 N65-34500

REMOTE PILOT-CONTROLLED VISUAL DOCKING OF TWO
SPACE VEHICLES ON RENDEZVOUS DOCKING SIMULATOR
WITH CLOSED CIRCUIT TELEVISION
NASA-TN-D-3044 N65-35517

PEON, R. H.
CHANGES IN CATS OF TACTILE EVOKED POTENTIALS IN
BRAIN DURING SLEEP AND WAKEFULNESS
A65-82050

PEPLER, R. D.
PSYCHOLOGICAL EFFECT OF HEAT STRESS
A65-80637

PERDRIEL, G.
EFFECTS OF INCREASED ALTITUDE ON NIGHT VISION OF
PILOTS A65-36399

OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108

PEREDEL'SKIY, V.
PREPARATION FOR HUMAN SPACE FLIGHT USING HUMAN
CENTRIFUGE
JPRS-30817 N65-26960

PEREPEL'KIN, S. R.
PROTECTIVE ROLE OF FOODS AND VITAMINS AGAINST
RADIATION EFFECT IN DOGS AND RATS
A65-81702

PROTECTIVE ROLE OF FOOD AND VITAMINS IN RADIATION
INJURIES TO ORGANISM N65-24942

PERESLEGIN, I. A.
X-RAY THERAPY OF SKIN, LUNG, STOMACH, AND LARYNX
CANCER IN U.S.S.R. N65-30219

PERESLENI, L. I.
MOTION COMPONENTS IN RHYTHMICAL MOTOR TASK WITH
DIFFERENT LOADS AND AT VARIABLE FREQUENCY OF
STRIKE MOTION IN MAN A65-82247

PEREVERTUN, M. P.
OPTICAL PROPERTIES OF YOUNG LEAVES OF PLANTS IN
IR REGION OF SPECTRUM A65-20083

PERKEL, D. H.
COMPUTER METHOD FOR NEUROPHYSIOLOGICAL RESEARCH
P-3057 N65-27906

PERLMAN, H. B.
COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED
BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT
CARBON DIOXIDE, AND EPINEPHRINE
A65-82017

PERMINOVA, G. N.
GROWTH OF NITROGEN-FIXING BACTERIA AND OTHER SOIL
MICROORGANISMS AFFECTED BY BLUE-GREEN ALGAE
N65-31422

PERMUTT, S.
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY
TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893

PERRELLI, G.
BEHAVIOR OF ERYTHROCYTIC GLUTATHIONE AND
GLUCOSE-6-PHOSPHATE DEHYDROGENASE IN SUBJECTS
EXPOSED TO CHRONIC INHALATION OF CARBON MONOXIDE
A65-80291

PERROCHE, J. A.
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875

PERRY, N. W., JR.
VISUAL EVOKED RETINAL AND OCCIPITAL POTENTIALS
WITH DIGITAL COMPUTER PROCESSING NEUROELECTRIC
ACTIVITY A65-80783

DIFFERENTIAL CORTICAL HABITUATION WITH STIMULATION
OF CENTRAL AND PERIPHERAL RETINA
A65-81656

- PERRYMAN, J. H.
RESPIRATORY AND BLOOD PRESSURE RESPONSES OF CAT
TO ELECTRICAL STIMULATION OF PERIPHERAL AFFERENT
NERVES A65-81024
- PERSON, R. S.
RELATIONSHIP OF DISCHARGE TIME IN MOTOR NEURONS OF
MUSCLES ANTAGONISTS IN HUMANS BY ANALYSIS OF EMG
A65-80760
- PERSON, S.
BACTERIAL REVERTANTS PRODUCED BY DECAY OF TRITIUM
COMPOUNDS N65-10115
- PERVAIA, T. I.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- PESCHEL, M.
PERIODICITY OF CONDITIONAL FUGITIVE REFLEX -
CYBERNETICS N65-21091
- PESSA, A. T.
DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899
- PESTOV, I. D.
INTEROCEPTIVE AFFERENT EFFECT UPON VOMITING CENTER
EXCITATION DURING MOTION SICKNESS WITH AND WITHOUT
VESTIBULAR APPARATUS A65-80879
- STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I
SPACECRAFT A65-81962
- APOMORPHINE ADMINISTERED TO LABYRINTHECTOMIZED
DOGS FOR DETERMINING ROLE OF EXTRALABYRINTHINE
INFLUENCES IN PATHOGENESIS OF MOTION SICKNESS
JPRS-30843 N65-27115
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT ON SPACECRAFT VOSKHOD
JPRS-31913 N65-32344
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777
- PETAJAN, J. H.
NERVE CONDUCTION, MUSCLE ACTION POTENTIAL AND
CONTRACTION, AND HABITUATION OF SUBJECT DURING
IMMERSION OF HAND AND ARM IN 10 DEG C. WATER
A65-82160
- PETERS, B. G.
MAN AS SUBSYSTEM IN RELIABILITY DETERMINATION OF
AIRCRAFT AND SPACECRAFT SYSTEMS A65-14364
- RELATIONSHIP OF MAN TO TOTAL SYSTEM RELIABILITY
AND TECHNIQUES AND CONTROLS TO INSURE
SPACECRAFT MISSION SUCCESS - SYSTEMS ENGINEERING
REPT.-546-M N65-23007
- PETERS, G. A.
HUMAN FACTOR ENGINEERING - BIBLIOGRAPHY
RH-3398-H N65-15537
- EFFECTS OF HUMAN PERFORMANCE ON PRODUCT AND
SYSTEMS EFFECTIVENESS - BIBLIOGRAPHY
RH-3398-J N65-20726
- SYSTEM SAFETY ENGINEERING, CATASTROPHIC FAILURE
ANALYSIS, DESIGN HAZARD ANALYSIS AND RELATED
TECHNICAL DISCIPLINES N65-29770
- PETERS, G. H.
SOLID CHEMICAL AIR GENERATOR FOR PRODUCING
BREATHABLE AND OXYGEN ENRICHED ATMOSPHERE -
SPACE APPLICATION AG-1 N65-10267
- PETERS, J. M.
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- LOCATION AND RETRIEVAL CONCEPTS FOR REENTRY CREW
ESCAPE SYSTEMS N65-29759
- TECHNIQUE FOR COLLECTING, STORING, AND ANALYZING
PHYSIOLOGICAL DATA - STRAIGHTFORWARD CORRELATION
OF PSYCHOMOTOR WITH PHYSIOLOGICAL DATA
NAVTRADEVCE-1444-1 N65-33459
- PETERSON, D. R.
MYOCARDIAL ISCHEMIA AFTER EXERCISE IN MAN - TEST
FOR DETECTING POTENTIAL CORONARY HEART DISEASE
A65-80557
- PETERSON, E.
PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS
SOLUTION IRRADIATED WITH ULTRAVIOLET
A65-80762
- PETERSON, J. A.
ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
TRANSFER IN SPACE SUIT
NASA-CR-63144 N65-25269
- PETEV, L.
REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY
REACTION OF SULFUR IN SATAL DRUG CONTAINING
GARLIC AND LEAD POWDER
JPRS-30863 N65-27037
- PETIT, J. M.
INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF
BREATHING A65-81274
- PETKOV, V.
REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY
REACTION OF SULFUR IN SATAL DRUG CONTAINING
GARLIC AND LEAD POWDER
JPRS-30863 N65-27037
- PETRANYI, G.
CHANGES IN EXTRACELLULAR FLUID SPACE IN WATER
BALANCE DISTURBANCES OF ORGANISM AND ORGANS
DURING RADIATION SICKNESS
FTD-TT-64-912/1626364 N65-17916
- PETRASCU, S.
PHYTOPHARMACEUTICAL SUBSTANCES FOR PLANT
PROTECTION AND APPLICATION OF PHYSIOCHEMICAL
ASPECTS IN CONDITIONING PROCESS
FTD-TT-64-1121/1626364 N65-28531
- PETROV, I. R.
PATHOLOGICAL CHANGES IN BODY SYSTEMS FROM OXYGEN
DEFICIENCY - CENTRAL NERVOUS SYSTEM
JPRS-30576 N65-25431
- PETROV, R. V.
SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING
GAMMA RADIATION EXPOSURE IN RABBITS
A65-82240
- RADIATION IMMUNOLOGY N65-15667
- PETROV, V.
ANABiotic LIFE PROCESSES APPLIED TO EXTENDED SPACE
FLIGHTS
JPRS-27540 N65-11264
- PETROV, YU. A.
FLIGHT CONTROL AND NAVIGATION INSTRUMENTS
N65-13743
- PETROVA, L. G.
MECHANIZATION PROBLEMS OF INDUSTRIAL MANAGEMENT
N65-30279
- PETROVIC, R.
SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL
SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH
SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY
A65-23787
- PETROVIC, V.
INFLUENCE OF HIBERNATION AND INTERMITTENT
HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGUTININS
IN GROUND SQUIRREL, CITELLUS CITELLUS

- PETROVICH, I. K.
BLASTOMOGENIC ACTION OF HIGH ENERGY PROTONS IN RATS
A65-81497
A65-81711
TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON IRRADIATION ON RATS
JPRS-27343
N65-10653
- PETROVSKIY, B. V.
POLYMER CHEMISTRY PROGRESS IN SURGERY USING POLYVINYL ALCOHOL PLASTICS
JPRS-30864
N65-27067
- PETRUKHIN, V. G.
CHANGES OF INTERNAL ORGANS IN DOGS SUBJECTED TO ROTATION
N65-13744
PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS SUBJECTED TO TRANSVERSE ACCELERATIONS
N65-13745
- PETRUN, N. M.
GAS EXCHANGE THROUGH HUMAN SKIN AND ITS IMPORTANCE TO HUMAN BODY
JPRS-28923
N65-17303
ROLE OF SKIN RESPIRATION IN PULMONARY GAS EXCHANGE COMPENSATION FOR HYPOXIA IN MAN
N65-17781
DIVER SUIT FOR MEASURING GAS EXCHANGE THROUGH HUMAN SKIN SURFACE
JPRS-29142
N65-19326
- PETRUSHKOV, A. A.
FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION OF AIR AND FREQUENCY OF AIR EXCHANGE IN IRRADIATION CHAMBERS
N65-24941
- PEW, R. W.
HUMAN INFORMATION PROCESSING CONCEPTS EXAMINING READ-IN, STORAGE, DECISION MAKING AND READ-OUT SUBSYSTEMS
A65-25180
MAN-MACHINE PERFORMANCE MEASUREMENTS
NASA-CR-64106
N65-30469
- PEYRIN, L.
URINARY EXCRETION OF EPINEPHRINE AND NOREPINEPHRINE IN MEN LIVING AT HIGH ALTITUDE
A65-80113
- PEYSER, L.
OXYGEN CONSUMPTION, HEART RATE, VENTILATION, BODY TEMPERATURE AS AFFECTED BY ACTIVE AND PASSIVE EXERCISE
A65-80077
RADIATION RESISTANCE OF MICE AS AFFECTED BY EXERCISE AND OXYGEN BREATHING
A65-80132
- PFANDER, F.
TOLERANCE THRESHOLD FOR ACOUSTICAL STIMULI
A65-82251
- PFANDER, H.
VESTIBULAR THRESHOLD TESTS - DIAGNOSTIC VALUE AND RELATION TO NYSTAGMUS
A65-81724
- PFEIFER, H.
DECOMPOSITION OF POLYESTER FIBERS BY HYDROLYSIS AND AMMONOLYSIS
N65-24946
- PFEIFER, J.
HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY HOT, DRY, DESERT ENVIRONMENT
A65-80961
- PFEIFFER, C. J.
REVIEW OF PHYSIOLOGY AND PATHOLOGY OF GASTROINTESTINAL TRACT AS RELATED TO SPACE FLIGHT CONDITIONS
A65-82001
- PFEIFFER, R. R.
SPIKE DISCHARGE PATTERNS OF SPONTANEOUS AND CONTINUOUSLY STIMULATED ACTIVITY IN COCHLEAR NUCLEUS OF ANESTHETIZED CATS
A65-32938
STIMULUS CODING REFLECTED BY VARYING DISCHARGE
- PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF CAT DURING ACOUSTICAL STIMULATION
A65-82268
- PFISTER, A.
EXCITATION OF CELLULAR METABOLISM IN SPLEEN AND LIVER OF MICE SUBJECTED TO HF ELECTROMAGNETIC FIELD
A65-26302
SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA - HISTO AUTORADIOGRAPHIC STUDY OF PROTEIN METABOLISM IN VARIOUS ORGANS IN MOUSE
A65-80111
PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING HYPOXIA IN MICE - HISTO AUTORADIOGRAPHIC STUDY IN MOUSE
A65-80114
ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE
A65-80122
SENSITIVITY OF MITOSIS TO MECHANICAL VIBRATIONS - AEROSPACE MEDICINE
NASA-TT-F-350
N65-35828
- PHANEUF, J.
EXTRATERRESTRIAL STUDY OF ATMOSPHERE, SOIL AND POSSIBLE ORGANIC MATTER BY COMPACT SPECTROSCOPIC AND TELEVISION INSTRUMENT PACKAGE FOR TELEMETRY
A65-16557
- PHIBBS, B.
MONITORED EXERCISE - TOLERANCE TESTING IN CORONARY DISEASE
A65-81550
- PHILLIPS, C. R.
LOWER ATMOSPHERE SAMPLING FOR VIABLE AIRBORNE MICROORGANISMS OUTDOORS AND INDOORS
N65-23996
- PHILLIPS, W. H.
STEP-TEST FOR INDUCING MAXIMAL WORK FOR DETERMINING OXYGEN CONSUMPTION
A65-81552
MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING PHYSICAL EXERCISE
A65-82053
- PHILP, R. B.
ETIOLOGY AND TREATMENT OF EXPERIMENTAL DECOMPRESSION SICKNESS WITH SPECIAL REFERENCE TO BODY LIPIDS IN RATS
A65-81585
- PIALOUX, P.
PHYSIOPATHOLOGY OF EQUILIBRIUM IN THE AVIATOR
A65-80127
NASOSINUSAL ALLERGY IN CIVIL AVIATION FLIGHT PERSONNEL
A65-80873
COCHLEAR POTENTIALS OF GUINEA PIG FOLLOWING SOUND STIMULATION SHOWING AUDITORY FATIGUE
A65-82308
- PIATETSKII-SHAPIRO, I. I.
CONTROL OF BODY MOVEMENTS BY SPINAL CORD
A65-80830
- PIATETSKII-SHAPIRO, I. M.
QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS
A65-80753
- PIAZZA, J. M.
PRESSURE DISTRIBUTION ON SURFACE OF HUMAN BODY. I. EVALUATION IN LYING AND SITTING POSITIONS USING BED OF SPRINGS AND NAILS
A65-81310
- PICK, H. L., JR.
PARADOXICAL EFFECT OF HOMOGENEOUS LIGHT STIMULATION ON FIGURAL AFTEREFFECT
A65-80093
PASSIVE TEST OF EYE-HAND COORDINATION WITH PRISM DISPLACEMENT AND ADAPTATION MEASURED BY ERROR FROM PRETEST TO POST TEST
A65-81649
- PICKARD, W. F.
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON
A65-14831

- PICKENHAIN, L.
EVOKED CORTICAL POTENTIALS IN RELATION TO
PUPILLARY DIAMETER IN RAT A65-82071
- PICKERING, J. E.
SPACE RADIOBIOLOGY TRAINING AND OPERATIONS TO
MINIMIZE ASTRONAUT RADIATION DOSE A65-14832
- PICKETT, R. M.
VIGILANCE DEFINED AS PROBABILITY OF DETECTING
SIGNALS WHICH ARE WEAK AND RELATIVELY RARE IN
MANNED SPACEFLIGHT A65-35484
- PICKREL, E. W.
IDENTIFICATION AND ELIMINATION OF SOURCES OF
HUMAN-INDUCED EQUIPMENT FAILURES IN COMPLEX
SYSTEMS, CONSIDERING PROBABILITY OF ERROR A65-34678
- PIDPALYY, G. P.
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS
IN MALE MINERS WITH SECOND AND THIRD STAGE
VIBRATION SICKNESS N65-22644
- PIERCE, B. F.
ROLE OF ANTHROPOLOGIST IN HUMAN FACTOR
ENGINEERING AS RELATED TO SPACE PROGRAM A65-82007
- PIERCE, J.
LATERALIZATION OF SOUNDS AT UNSTIMULATED EAR
OPPOSITE TO NOISE-ADAPTED EAR
TR-24 N65-19521
- PIERSON, W. R.
OXYGEN CONSUMPTION DURING EXERCISE WITHOUT BODY
LIFTING AGAINST GRAVITY, NOTING CORRELATION WITH
BODY WEIGHT AND SURFACE AREA A65-16562
- OXYGEN COST OF WORK PERFORMED IN DIFFERENT
POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST
GRAVITY A65-80384
- SPORT PARACHUTING AND HYPOXIA AS RELATED TO TIME
ESTIMATION, MEMORY, AND REACTION TIME A65-80951
- PIIRONEN, P.
TEMPERATURE OF HUMAN BODY DURING RAPID ALTERNATE
HEATING AND COOLING
AMRL-TR-64-131 N65-19154
- PIKOVSKIY, A. M.
IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED
BY HUMAN OPERATOR N65-13749
- PIMONOW, L.
NEW AUDIOMETRIC MEASURES OF AUDITORY CAPACITY A65-82237
- PINAKATT, T. L.
MICROWAVE RADIATION OF RAT AND EFFECT OF
PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE A65-80756
- EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS
PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO
MICROWAVE IRRADIATION A65-81866
- PINC, B. W.
RESPONSE OF SQUIRREL MONKEYS TO HIGH ACCELERATION
STRESSES
NASA-CR-236 N65-32926
- PINDAK, F. F.
RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER
WHOLE BODY X-RAY IRRADIATION IN DOG
LF-17 N65-10880
- INFECTION OF DOGS WITH LIVE ECHO 6 VIRUS FOR
TESTING ANTISERUM
LF-25 N65-25448
- PINEAU, H.
ANTHROPOMETRIC MEASUREMENTS OF VARIOUS NOMADIC
RACIAL GROUPS LIVING IN SAHARA A65-80964
- PINEVICH, V. V.
PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE A65-80600
- PINGEL, J. H.
RADIATION ACCIDENTS AND EMERGENCIES IN MEDICINE,
RESEARCH AND INDUSTRY A65-81259
- PINKERTON, M. K.
IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND
1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND
LIVER TISSUE ENZYME ACTIVITIES
AMRL-TR-65-19 N65-27575
- PINTAR, R. R.
WEARABLE, WIRELESS OXIMETER WITH BLOOD PRESSURE
MEASUREMENT CAPABILITY
NASA-CR-64080 N65-30480
- PIO, W. D.
EFFECT OF COMPRESSION ON COMPOSITION AND
ABSORPTION OF TISSUE GAS POCKETS IN RATS A65-81907
- PIOTROWSKI, C. F.
SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADOC-TR-65-184 N65-34570
- PIPAL, M.
RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION A65-81798
- PISANO, M.
EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS A65-82276
- PISARENKO, N. F.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- PITBLADO, C.
NATURE OF EFFECTIVE BINOCULAR DISPARITIES FOR
DEPTH PERCEPTION A65-82258
- PITTELOUD, J. J.
PHYSICAL WORK CAPACITY RELATED TO PULSE RATE AND
TOTAL HEMOGLOBIN, IN MIDDLE-AGED AND AGED MEN A65-80696
- PITTENDRIGH, C. S.
CARDIOVASCULAR SYSTEM AND NEUROPHYSIOLOGY OF
PRIMATES, RADIATION HAZARD, BIOLOGICAL RHYTHM AND
WEIGHTLESSNESS STUDIED VIA SATELLITE EXPERIMENTS A65-30690
- PITTMAN, J. C., JR.
SKIN TEMPERATURE RESPONSE TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION, CONSIDERING SPECTRAL
CHARACTER AND ENERGY LEVEL A65-14231
- SKIN TEMPERATURE RESPONSES TO OPTICALLY FILTERED
INTENSE THERMAL RADIATION A65-80140
- PIWONKA, R. W.
TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER A65-81134
- PLACE, S. B.
INTRA-AURAL REFLEX OF MIDDLE EAR TO
AUDIOFREQUENCY SOUND WITH DEFINED AMPLITUDE
GGC/EE/64-15 N65-12491
- PLANEL, H.
EFFECT OF NATURAL IONIZING RADIATION ON
GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM A65-81254
- PLAS, F.
VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS

- PLATONOV, K. K.
A65-80124
- PLATONOV, K. K.
AVIATION PSYCHOLOGY FOR FLYING PERSONNEL
FTD-MT-64-177 N65-11758
- PROBLEMS OF HUMAN PERSONALITY IN AERONAUTICS,
AVIATION, AND ASTRONAUTICS N65-13746
- PLATT, W. T.
SHORT-TERM CENTRIFUGATION STRESS EFFECTS ON LIVER
CARBOHYDRATE METABOLISM IN MICE A65-18202
- METABOLIC RESPONSE OF RATS TO ACUTE ACCELERATION
STRESS WITH EMPHASIS ON STRESS-INDUCED LIVER
GLYCOGENESIS DUE TO ADRENOCORTICAL ACTIVITY A65-23416
- PROLONGED CENTRIFUGATION EFFECT ON GROWTH, ORGANS,
AND BLOOD OF RAT. A65-81746
- PLATZ, A.
MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE A65-80001
- PLOMP, R.
DETECTABILITY THRESHOLD FOR COMBINATION TONES AS
FUNCTION OF FREQUENCIES OF PRIMARY TONES A65-28428
- PLOTKIN, R.
INFLUENCE OF SEASONAL VARIATION, DIET, AND
PHYSICAL ACTIVITY ON SERUM LIPIDS IN YOUNG MEN IN
ANTARCTICA A65-81308
- PLUTA, E.
EFFECT OF WHITE NOISE LEARNING EFFICIENCY IN RATS
A65-81940
- PLZAK, V. J.
INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON
RADIATION LETHALITY IN MICE N65-19214
- DOSAGE TO MORTALITY RELATION FOR SEVERAL RADIATION
PROTECTION CHEMICAL COMPOUNDS FOR MICE N65-19215
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION
LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO
HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS,
AND RABBITS N65-19217
- POCHE, R.
EFFECT OF PERSANTIN /PYRIMIDINE/ ON ULTRASTRUCTURE
OF RAT MYOCARDIUM AFTER OVERDOSE AND DURING
EXPOSURE TO HYPOBARIC PRESSURE A65-81697
- PODACHIN, V. P.
ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN
PHYSIOLOGY JPRS-28225 N65-14261
- PODILCHAK, M.
AMINO ACID CONTENTS IN BLOOD PLASMA OF RABBITS
WITH ACUTE RADIATION SICKNESS FTD-TT-65-383/164 N65-33411
- PODOPLELOV, I. I.
SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- PODSHIBYAKIN, A. K.
MECHANISMS OF TROPHIC FUNCTION OF NERVOUS SYSTEM
AND ROLE IN NUTRITION REGULATION JPRS-29303 N65-20099
- PDE, N. D.
COMBINED RADIOACTIVE MATERIAL INHALATION AND
HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION
TECHNIQUE FOR LUNG SCANNING FOR PULMONARY
FUNCTION EVALUATION UCLA-12-556 N65-24272
- POGRUND, R. S.
HUMAN ENGINEERING FOR PROLONGED SPACE FLIGHTS
AD-608798 N65-16793
- POHL, H.
THERMOREGULATION AND COLD ACCLIMATIZATION IN
GROUND SQUIRREL, CITELLUS TRIDECIMLINEATUS A65-81137
- THERMOREGULATION AND COLD ACCLIMATIZATION IN
HAMSTER, MESOCRICETUS AURATUS A65-81138
- DIURNAL RHYTHMS OF PHYSIOLOGICAL PHENOMENA,
INCLUDING ACTIVITY AND REST TIME, OF HIBERNATING
ANIMALS AS RELATED TO BODY TEMPERATURE A65-81469
- POIRE, R.
ELECTRODERMOGRAM DURING SLEEP RELATED TO
APPEARANCE OF RAPID EYE MOVEMENTS A65-80571
- ELECTRODERMAL RESPONSE DURING SLEEP AND
WAKEFULNESS IN MAN A65-81496
- POISVERT, M.
AIR EVACUATION OF PATIENTS A65-81817
- POKROVSKAIA, G. L.
VIBRATION EFFECT AT FREQUENCIES OF 35 AND 70 CPS
ON BONE MARROW CELL DIVISION OF MICE A65-32303
- EFFECT OF VIBRATION ON MITOSIS IN BONE MARROW
CELLS IN MICE A65-82078
- POKROVSKIY, B. L.
EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF
AVIATION CADETS - PREDICTABILITY AND RELIABILITY
N65-13747
- POLACEK, F.
VARIOUS ASPECTS OF NOISE HAZARD AND HEARING LOSS
IN INDUSTRIAL PLANTS A65-81687
- POLESHCHUK, I. P.
INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER
PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY
AND DURING PERFORMANCE N65-13772
- POLIAKOV, B. I.
BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- POLIANSKII, V. B.
INVERSION OF PHOTIC EVOKED POTENTIALS IN VISUAL
CORTEX OF CONSCIOUS RABBITS A65-81485
- POLLACK, I.
BACKGROUND REFLECTANCE AND CATEGORY-SCALING OF
GRAY PAPERS A65-81580
- POLLACK, I. W.
TIME JUDGMENT CORRELATED WITH PULSE RATE A65-80258
- TIME JUDGMENT- COMPARISON OF METHODS OF
REPRODUCTION AND ESTIMATION A65-81031
- POLLACK, R. H.
FIGURE-GROUND CONTRAST AND CONTOUR ORIENTATION ON
FIGURAL MASKING A65-81439
- POLLARA, F. Z.
OXYGEN REGENERATION FROM SOLID ELECTROLYTIC
REDUCTION OF CARBON DIOXIDE FOR SPACE CABIN
ATMOSPHERE AICE PREPRINT 47D A65-15346
- POLLARD, E. C.
IONIZING RADIATION EFFECTS ON DNA TRANSCRIPTION
IN ESCHERICHIA COLI CELLS AND RNA MESSENGER
DECAY A65-10633
- IONIZING RADIATION EFFECTS ON URACIL CARBON 14
INCORPORATION INTO ESCHERICHIA COLI CELLS IN
DILUTE SUSPENSION A65-18224
- PROTON TUNNELING AND OTHER MECHANISMS OF
MUTATION N65-10114
- IONIZING RADIATION EFFECT ON CELLULAR PROTEIN
SYNTHESIS N65-23455

- PHYSICS OF CELLULAR SYNTHESIS, GROWTH, AND DIVISIONS
NASA-CR-62925 N65-24575
- POLLARD, R. A.
RESCUE TECHNIQUES USING STANDARD STOKES LITTER DESCRIBED FOR HANDLING INJURED PERSONS IN WATER N65-29754
- POLUBIEC, A.
INCORPORATION OF IRON 59 INTO HUMAN BONE MARROW CELLS, IN VITRO, UNDER CONDITIONS OF HIGH ALTITUDE HYPOXIA A65-80835
- POLYAKOV, G. I.
NEUROPHYSIOLOGICAL PROCESSES OF REGULATION, INSPECTION, AND CONTROL N65-14581
- POMAROLLI, R. S.
PERFORMANCE IN PRE-FLIGHT WATER SURVIVAL COURSE AS PREDICTOR OF SUCCESS IN FLIGHT TRAINING AD-619302 N65-35199
- POMPEIANO, O.
SUPRASPINAL INFLUENCES AND CHANGES IN RECURRENT DISCHARGES OF ALPHA MOTONEURONS DURING SLEEP IN CAT A65-82352
- PONNAMPERUMA, C.
EXPERIMENTAL SYNTHESIS OF NUCLEIC ACID AND PROTEIN TO TEST BIOCHEMICAL EVOLUTIONARY HYPOTHESIS A65-14529
- ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS SIMULATOR A65-30683
- PREBIOLOGICAL ENVIRONMENT SIMULATION AND SYNTHESIS OF BIOLOGICALLY SIGNIFICANT MOLECULES FROM ELEMENTS OF PRIMORDIAL ATMOSPHERE A65-31348
- ABIOTIC SYNTHESIS OF SOME NUCLEIC ACID CONSTITUENTS A65-80477
- PEPTIDE SYNTHESIS FROM AMINO ACIDS IN AQUEOUS SOLUTION IRRADIATED WITH ULTRAVIOLET A65-80762
- JUSTIFICATION FOR DESIGNING LIFE DETECTION EXPERIMENTS FOR EXTRATERRESTRIAL BODIES BASED ON KNOWLEDGE OF LIFE ON EARTH AND ABIOTIC SYNTHESIS OF BIOLOGICAL MATERIAL A65-82217
- COSMOLOGY - ORIGIN OF LIFE
NASA-TM-X-51753 N65-21478
- PONOMARENKO, V. A.
PILOT ERRORS IN INSTRUMENT FLYING N65-13748
- PONOMAREVA, V. L.
COMPARATIVE STUDY OF DAMAGE TO HEMOPOLYMERIC SYSTEM AND PARTICULATE COMPONENTS OF PERIPHERAL BLOOD BY HIGH ENERGY PROTONS AND GAMMA RADIATION IN RATS A65-82179
- RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- PONTOPPIDAN, H.
OXYGEN BREATHING AND RESPIRATION DURING HYPOTHERMIA A65-82002
- POOL, M. L.
RADIOACTIVE NUCLIDES FOR CLINICAL RADIOGRAPHY REPT.-5 N65-13532
- POOLER, J.
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON A65-14831
- POPENENKOVA, Z. A.
EFFECT OF ANTIBIOTIC THERAPY ON SEROTONIN AND HISTAMINE CONTENT OF BLOOD AND BRAIN AND SMALL INTESTINE IN RABBITS FOLLOWING X-RAY IRRADIATION A65-80717
- POPESCO, M.
HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305
- POPKOV, V. L.
POLAROGRAPHY APPLIED TO DETERMINATION OF OXYGEN TENSION IN BRAIN UNDER HIGH ALTITUDE FLYING CONDITIONS A65-80090
- DEVICE WITH CONSTANT PRESSURE MASK FOR CONTROLLED RESPIRATION IN INTACT ANIMALS A65-80765
- HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW PRESSURE CHAMBER N65-17687
- OXYGEN TENSION IN BRAIN TISSUES OF DOGS AFTER EXPOSURE TO ACCELERATIONS UNDER AIR AND OXYGEN BREATHING CONDITIONS N65-13705
- ELECTROCARDIOGRAMS IN DOGS DURING EXPOSURE TO ALTITUDE FACTORS N65-13751
- POLAROGRAPHY IN STUDY OF TISSUE HYPOXIA IN LIVING ORGANISM N65-17768
- OXYGEN PRESSURE IN DOG BRAIN TISSUE DURING GAS MIXTURE RESPIRATION - HYPOXIA N65-17769
- OXYGENATION OF BRAIN TISSUES DURING AIR AND OXYGEN RESPIRATION WITH ADMIXTURE OF CARBON DIOXIDE
FTD-TT-64-634/16264 N65-19139
- POPMA, D. C.
HUMAN WASTE PRODUCTS WATER RECLAMATION SYSTEMS RENDERING SPACE CREW INDEPENDENT OF STORED WATER REQUIREMENTS
AICE PREPRINT 54A A65-15397
- POPOV, I.
NUCLEAR RADIATION SAFETY STANDARDS IN SOVIET UNION
JPRS-31646 N65-32010
- POPOV, I. I.
ELECTROPHYSIOLOGICAL TESTS PERFORMED ONBOARD VOSKHOD I NOTING APPARATUS RECORDING ELECTROENCEPHALOGRAPH, ELECTROOCULOGRAM, DYNAMOGRAM AND MOTION COORDINATION IN WRITING OF ASTRONAUTS A65-34946
- MEDICAL CONTROL EQUIPMENT ON VOSKHOD MANNED SPACECRAFT - AEROSPACE MEDICINE
NASA-TT-F-9591 N65-35785
- POPOV, N.
PHYSIOLOGICAL RESPONSE OF THREE RUSSIAN ASTRONAUTS TO WEIGHTLESS TRAINING FLIGHT ALONG PARABOLIC CURVE A65-16618
- TRAINING OF ASTRONAUTS WITH PARABOLIC FLIGHT FOR STATE OF WEIGHTLESSNESS A65-80923
- POPOV, N. N.
EXPERIMENTAL RESULTS OF HARD LANDING EFFECT ON LAND OR WATER ON ANIMAL ORGANISM A65-80440
- LANDING IMPACT G FORCE INFLUENCE ON ANIMAL ORGANISM N65-16405
- POPOV, V. A.
RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT CONTROL SYSTEM A65-29944
- ASTRONAUT PERFORMANCE ABOARD VOSKHOD I AND II SPACECRAFT WITH RESPECT TO CHANGES IN CONTROL ACTIVITY, VISUAL RESOLUTION AND QUALITATIVE ANALYSIS OF OPERATIONAL MEMORY A65-35251
- IMPROVEMENT OF PERCEPTION OF PARAMETERS CONTROLLED BY HUMAN OPERATOR N65-13749
- ORGANISM REACTION TO INFORMATIONAL CHARACTERISTIC OF STIMULUS N65-13750
- PHYSIOLOGICAL RESPONSE TO ARCTIC ENVIRONMENT N65-22731

- HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714
- PHYSICAL FITNESS TESTING OF ASTRONAUTS UNDER
WEIGHTLESSNESS AND SPACE ENVIRONMENT CONDITIONS
IN ORBITAL FLIGHT
NASA-TT-F-9593 N65-36752
- POPOVA, A. V.
TRYPTOPHAN AND PYRIDOXINE /VITAMIN B6/
REQUIREMENTS UNDER NERVOUS STRESS IN DOGS
A65-80723
- POPOVA, N. K.
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL
CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING
ACTION OF HYDRAZINE DERIVATIVES
N65-17747
- POPOVA, N. S.
CHARACTER OF CONDITIONED REFLEXES TO COMBINED
ACOUSTIC AND VISUAL STIMULI IN DOGS
A65-80699
- POPOVA, YE. O.
HUMAN PERFORMANCE DURING PROLONGED STAY IN LOW
PRESSURE CHAMBER
N65-13687
- POPOVIC, V. P.
CRITICAL BODY TEMPERATURE FOR INSTRUMENTAL
RESPONSE ACQUISITION OF RATS COOLED TO VARIOUS
LEVELS
A65-82161
- POPOVICH, P. R.
MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK
III AND VOSTOK IV SPACECRAFTS
N65-13671
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF
TRADESCANTIA PALUDOSA DURING FLIGHT ON
VOSTOK III AND VOSTOK IV SPACECRAFTS
N65-24489
- POPS, M. A.
CASE HISTORY OF AEROEMBOLISM TREATED BY
HYPOTHERMIA
A65-81523
- PORTE, A.
SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS
A65-81465
- PORTET, R.
EFFECT OF RESERPINE ON RESPIRATORY EXCHANGE,
ARTERIAL PRESSURE, AND HEART RATE IN COLD
ACCLIMATED RAT
A65-80934
- PORTNER, D. M.
MICROBIAL CONTAMINATION OF CLEAN ROOMS
NASA-CR-60184 N65-15148
- DRY HEAT STERILIZATION OF NATURALLY CONTAMINATED
METAL SURFACES
NASA-CR-52899 N65-17290
- DRY HEAT STERILIZATION OF MICROORGANISMS ON GLASS
SURFACES AT 100 DEG C
NASA-CR-63665 N65-27517
- PORYADKOVA, N. A.
TIME-EFFECT CURVES FOR IRRADIATION OF DORMANT PEA
SEEDS WITH VARIOUS MOISTURE CONTENTS FOR
DETERMINING AMOUNT OF DAMAGE
N65-26385
- POSNER, M. I.
INFORMATION REDUCTION IN ANALYSIS OF SEQUENTIAL
TASKS
A65-80193
- INFORMATION THEORY APPLICATION TO MEMORY AND
THOUGHT IN HUMAN INTELLECTUAL PERFORMANCE
A65-82110
- POSPISHIL, M.
MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT
A65-80100
- FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS
RELATION TO RADIATION SICKNESS AND MORTALITY OF
MULTIPLE IRRADIATED MICE
A65-81748
- POSTNYY, A. I.
INHIBITED FUNCTION OF CORTEX OF SUPRARENAL GLANDS
IN MALE MINERS WITH SECOND AND THIRD STAGE
VIBRATION SICKNESS
N65-22644
- POSTOW, E.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL
CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440 N65-25850
- POTSAID, M. S.
STEREOKINERADIOGRAPHY - PERCEPTION OF MOTION AND
DEPTH IN RELATION TO PHOTOGRAPHIC INTERPRETATION
A65-80634
- POTTS, A. M.
STUDIES ON VISUAL EVOKED RESPONSE - USE OF 0.06
DEGREE RED TARGET FOR EVALUATION OF FOVEAL
FUNCTION
A65-81532
- POULTON, E. C.
TRANSIENT PERCEPTUAL EFFICIENCY VARIATION ON
TEMPERATURE INCREASE, NOTING AROUSAL LEVEL
A65-16558
- INITIAL STIMULATING EFFECT OF WARMTH UPON VISUAL
AND AUDITORY PERCEPTUAL EFFICIENCY
A65-80381
- INCREASING SENSITIVITY OF MEASURES OF PERFORMANCE
A65-80885
- COLD AND RAIN EFFECTS ON VIGILANCE OF LOOKOUTS
A65-81222
- POVZHITKOV, M. M.
HEMODYNAMIC RESPONSE TO BLOOD CIRCULATION
OBSTRUCTION BY HEART TISSUE
N65-17788
- POWE, W. E.
INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS
AMRL-TR-65-18 N65-30156
- POWELL, C. K.
CULTURE TECHNIQUE FOR ALGAE GROWTH IN CLOSED
ECOLOGICAL SYSTEM BY TURBULENT FLOW ACHIEVING
LIGHT-DARK SEQUENCE
A65-81872
- POWELL, M. R.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL
CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440 N65-25850
- POWER, G. G., JR.
PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE
AND CAPILLARY BLOOD FLOW DURING FORWARD
ACCELERATION
A65-82152
- POWERS, D. V.
STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN
POSTPRANDIAL AND IN FASTING STATE IN RELATION TO
GLUCOSE INTAKE
A65-80447
- POWERS, E. L.
DRY BACTERIAL SPORE RADIATION SENSITIVITY STUDY
FOR DETERMINATION OF INTRACELLULAR CHEMICAL
REACTIONS DURING IRRADIATION
N65-23456
- POZDNYAKOVA, R. Z.
INFLUENCE OF HYPOXIA ON CHEMORECEPTORS OF FEMORAL
ARTERY IN DOGS
N65-17786
- PRATHER, W. B.
PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES
RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL
OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES
INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE
A65-24201
- TELEMETRIC UNIVERSAL SENSOR / TELUS/ FOR
MONITORING ELECTRICAL OR ELECTROMAGNETIC OUTPUTS
FROM FIELD SENSING INSTRUMENTS
A65-24202
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD
PRESSURE, ELECTROCARDIOGRAM, AND
ELECTROENCEPHALOGRAPH DATA COLLECTED BY PORTABLE

- MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS
A65-81283
- TELUS- TELEMETRIC UNIVERSAL SENSOR FOR SPACE AND
TERRESTRIAL USE BY RECEIVING, STORING, AND SENDING
TELEMETERED DATA A65-81311
- BIOCOURIER-TELEMETRIC UNIVERSAL SENSOR TELEMETRY
SYSTEM FOR HANDLING AND EVALUATING ELECTRICAL
AND ELECTROMAGNETIC DATA FROM REMOTE FIELD
BIOSENSING TRANSDUCERS
SAM-TR-65-1 N65-33678
- PRATT, K. L.
DIAGNOSTIC TECHNIQUE USING ELECTROENCEPHALOGRAMS
OF EPILEPTICS FOLLOWING SLEEP DEPRIVATION,
HYPERVENTILATION, AND PHOTIC STIMULATION
A65-82032
- PRATT, R.
PRODUCTION OF THIAMINE, RIBOFLAVIN, FOLIC ACID AND
BIOTIN BY CHLORELLA VULGARIS AND CHLORELLA
PYRENOIDOSA A65-81339
- PRAVDINA, K. I.
SPECTROPHOTOMETRIC EVALUATION OF RADIATION DAMAGE
TO HEMOGLOBIN IN RAT AND PIGEON BLOOD
N65-26380
- PREISLER, E.
RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229
- PREMA, K.
DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS
A65-82178
- PREMALATHA, L. S.
DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY
INCREASE AFTER COLD EXPOSURE IN RATS
A65-82178
- PREOBRAZHENSKIY, V. V.
THRESHOLD CONTRAST AND BRIGHTNESS TO ENSURE
VISIBILITY OF OBJECTS AT NIGHT AND DURING DAY
N65-13644
- PRESMAN, A.
EFFECT OF ELECTROMAGNETIC RADIATIONS ON LIVING
ORGANISMS
JPRS-31501 N65-31004
- PRESMAN, A. S.
BIOLOGICAL CHANGES DUE TO MICROWAVE ABSORPTION,
EXAMINING ENERGY LOSSES DUE TO ION CONDUCTIVITY
AND DIELECTRIC LOSSES DUE TO POLARIZATION
RELAXATION IN WATER MOLECULES A65-29938
- PRESSMAN, G. L.
TRANSDUCER TO MEASURE BLOOD PRESSURE FOR
APPLICATION ON SUPERFICIAL TEMPORAL ARTERY
NASA-CR-293 N65-32277
- PREVARSKIY, B. P.
PATHOGENESIS OF ARTERIAL HYPOXEMIA IN RHEUMATIC
HEART DISEASE N65-17793
- PRIBAN, I. P.
ENGINEERING CONCEPTS TO STUDY AUTONOMIC CONTROL OF
HUMAN RESPIRATORY SYSTEM A65-34987
- PRIBRAM, K. H.
CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81931
- PRICE, H. E.
SUPERSONIC TRANSPORT FLIGHT PROFILES AND TASK
COMPLEXITIES FOR OPERATIONAL CREWS
NASA-CR-146 N65-14449
- PRIEST, R. J.
CASE OF ACUTE HEPATIC NECROSIS POSSIBLY DUE TO
TRICHLOROETHYLENE INTOXICATION A65-82094
- PRIGMORE, J. R.
PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422
- SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30 N65-25204
- PRIN, M. M.
AUDITORY FREQUENCY THRESHOLD COMPARISONS OF HUMANS
AND PRE-ADOLESCENT CHIMPANZEES
NASA-CR-67297 N65-35104
- PRINAK, F. YA.
HYPOXIA, MORPHOLOGICAL CHANGES IN VASCULAR TISSUE
STRUCTURES, AND AUTOALLERGY IN PATHOLOGY
N65-17790
- PRINCE, A. E.
NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601
- PRINCE, J. E.
CYTOKINETIC RESPONSES OF MONOLAYERS OF EPITHELIAL
CELLS TO PROTON IRRADIATION AT DIFFERENT DOSAGE
LEVELS A65-14804
- PRINE, J.
LUNG, VISCERA, AND SURVIVAL OF ANESTHETIZED DOG
DURING REPEATED, PROLONGED, LOW INTENSITY POSITIVE
ACCELERATION EXPOSURE A65-82126
- PRINE, J. R.
SURGICAL PROCEDURES FOR IMPLANTING CHRONIC
CORTICAL LEADS IN CHIMPANZEE FOR
ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE
MEDICINE N65-36771
- PRINZ, C.
LABORATORY CONTROL OF FROZEN FOOD USED ONBOARD
FLIGHTS OF SABENA AIRLINES A65-81790
- PRITCHARD, G. K.
COUNTERROLLING OF HUMAN EYE - NYSTAGMUS RESPONSE
TO HEAD TILT AND BODY ROTATION
GE/EE/64-8 N65-14436
- PROCTOR, C. M.
LIFE SUPPORT SYSTEM REQUIREMENTS FOR MANNED SPACE
MISSIONS PRESENTING SYNTHETIC CLOSED ECOLOGICAL
SYSTEM A65-31672
- PROCTOR, L. D.
ANALYSIS OF CENTRAL NERVOUS SYSTEM AND
CARDIOVASCULAR SYSTEM USING COMPUTER
METHODS - SYMPOSIUM
NASA-SP-72 N65-28750
- STATISTICAL LIMITS ON COMPUTER-DEFINED EEG
PATTERNS RELATED TO BEHAVIOR OF MONKEYS
N65-28764
- PERFORMANCE TASKS PRODUCING FATIGUE IN MAN AND
OTHER PRIMATES AND USE OF EEG AS FATIGUE
INDICATOR DETERMINED FROM PARTIAL SPACE CABIN
SIMULATION N65-28773
- PROKHOROVA, M. I.
LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814
- PROKOPENKO, L. G.
PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264
- PROKOPOVICH, N. B.
PHYSIOLOGY - PERFECTION OF MOTOR AND INTEROCEPTIVE
ANALYZER BY CONDITIONED REFLEX METHOD IN MAN
DURING ACUTE HYPOXEMIA AND HYPERCAPNIA
FTD-TT-62-1903/16264 N65-22061
- PROKOPOWICZ, J.
RADIATION PROTECTIVE EFFECT ON AMINOCAPROIC ACID
AND PANCREATIC TRYPSIN INHIBITOR IN RAT EXPOSED TO
X-RAY IRRADIATION A65-80622

- PROSENZ, K.**
CHANGE OF TECHNICAL CHARACTERISTICS OF INDUSTRIAL
YEAST THROUGH COBALT 60 IRRADIATION
SGAE-BL-12/1964 N65-22964
- PROSINA, T. I.**
TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT A65-81387
- PROUST**
PHYSIOLOGICAL STUDY OF EUSTACHIAN TUBE WITH
VARIOUS FUNCTION TESTS A65-82357
- PROVINS, K. A.**
PERIPHERAL VISUAL ATTENTION TASK PERFORMANCE OF
TWO AGE GROUPS IN HOT CONDITIONS A65-80629
- SAFE EXPOSURE OF EXERCISING OR RESTING MEN DURING
SEVERE HEAT EXPOSURE A65-80679
- PRUSINER, S. B.**
TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION A65-18433
- TOLERANCE OF VESTIBULAR APPARATUS OF HYPOTHERMIC
HAMSTER TO 840 G ACCELERATION A65-80583
- PRYOR, R.**
ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS
LIVING AT HIGH ALTITUDE A65-82252
- PSHENICHNYI, I. P.**
RELATIONSHIP BETWEEN DURATION OF CARDIAC CYCLE AND
VENTRICULAR EXCITATION TIME IN NORMAL SUBJECTS AS
COMPUTED BY WALLER-BAZETT EQUATION A65-80764
- PTITSYN, O. B.**
POLYMER CHEMISTRY - GLOBULAR-PROTEIN BALL-SPIRAL
TRANSITIONS IN MACROMOLECULES N65-25028
- PUCCELLI, R.**
VENTILATORY REACTIONS IN AWAKE DOG SUBJECTED TO
MODERATE HYPERCAPNIA IN NORMOXIC OR SLIGHTLY
HYPOXIC ATMOSPHERE A65-80917
- CONCEPT AND MEASUREMENT OF VENTILATORY SENSITIVITY
TO CARBON DIOXIDE IN MAN A65-81903
- PUCHINSKAIA, L. M.**
CORRELATION OF SPECIFIC AND NONSPECIFIC RESPONSES
TO LIGHT REVEALED IN HUMAN ELECTROENCEPHALOGRAM A65-80698
- CHANGES IN CEREBRAL POTENTIALS EVOKED BY COMBINED
STIMULI OF TWO MODALITIES A65-80711
- PUGH, J. E.**
EVOKED RESPONSE LATENCY OF CAT AS FUNCTION OF
STIMULUS RISE TIME IN AUDITORY CORTEX A65-80195
- PUGH, L. G. C. E.**
SOLAR HEAT GAIN OF CLOTHED HUMAN BODY IN HIMALAYA
COMPARED TO OTHER ENVIRONMENTS A65-80975
- PERFORMANCE AND RUNNING TIME OF ATHLETES AT
ALTITUDE AND SEA LEVEL A65-82144
- PUHARICH, H. K.**
TRANSDERMAL HEARING SYSTEM USING MODULATED
ELECTRICAL CARRIER SIGNALS TO STIMULATE SOUND
PERCEPTION ER-0038 N65-20959
- PUKHOV, V. A.**
ADRENOCORTICAL INSUFFICIENCY AND HYPERFUNCTION
RESISTANCE TO CARBON MONOXIDE POISONING
JPRS-30295 N65-24690
- PULEO, J. R.**
DEATH RATES OF MICROORGANISMS DEPOSITED ON
SURFACES OF STAINLESS STEEL AND ELECTRONIC
COMPONENTS BY HANDLING AND AERIAL FALLOUT -
DECONTAMINATION TECHNIQUES NASA-CR-67267 N65-35116
- PULSIFER, D. H.**
STARVATION IN NORMAL OBESE SUBJECTS PERFORMING
ROUTINE DUTIES AND WALKING 2 MILES PER DAY IN
RELATION TO SURVIVAL A65-80729
- PURCELL, M. K.**
CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR
ARTERIAL BLOOD ANALYSIS A65-81492
- PURNAL, A. P.**
LITERATURE SURVEY IN CHEMICAL BIONICS - BIOLOGICAL
LIVING CELL AS CHEMICAL UNIT JPRS-32014 N65-33203
- PUSHKAR, YU. T.**
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- PUTNAM, D. F.**
CHEMICAL ASPECTS OF HUMAN URINE DISTILLATION TO
MAKE PURE DRINKING WATER, INCLUDING PRETREATMENT
CHEMICALS SELECTION AND BACTERIA CONTROL IN
PRODUCT ASML PAPER 65-AV-24 A65-22959
- PYKE, R. E.**
SKELETAL MINERAL LOSSES IN YOUNG ADULT HUMANS AND
MONKEYS RESULTING FROM IMMOBILIZATION
NASA-CR-63993 N65-29373
- PYLKEYVCH, L.**
BIONICS - SCIENCE APPLYING BIOLOGICAL KNOWLEDGE TO
SOLUTION OF ENGINEERING PROBLEMS JPRS-29090 N65-18408
- PYTASZ, M.**
EFFECT OF PHYSICAL EXERCISE ON URINARY EXCRETION
OF ELECTROLYTES IN HUMANS A65-81941
- Q**
- QUARTON, G. C.**
METHAMPHETAMINE AND PENTOBARBITAL ON RUNNING
MEMORY SPAN FOR DIGITS A65-81211
- QUASHNOCK, J. M.**
NUTRITION, DIET, AND METABOLISM IN SPACE FLIGHT
N65-18572
- ADAPTATION OF MAN TO MACHINE - PROTECTIVE DEVICES
FOR CREW AND SIMULATORS FOR AEROSPACE TRAINING
NEAR OR ON GROUND N65-28452
- QUERCI, M.**
HEMODYNAMIC VARIATIONS IN ACUTE CARBON MONOXIDE
POISONING IN DOGS A65-80294
- QUILTER, R. E.**
RELATION OF AGE TO VIGILANCE AND REACTION TIME
A65-80738
- AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL
RESPONSE AND VOLUNTARY RESPONSES A65-81121
- QUIMBY, F. H.**
APPROACHES TO DIRECT AND INDIRECT EXTRATERRESTRIAL
LIFE IDENTIFICATION CONCENTRATING ON
MICROORGANISMS AND NOTING ROLE OF CARBON A65-22771
- EXTRATERRESTRIAL LIFE DETECTORS
NASA-SP-56 N65-12268
- R**
- RAAB, D. H.**
PSYCHOACOUSTICS- REACTION TIME TO CHANGES IN
INTENSITY OF WHITE NOISE RELATED TO SIGNAL
DETECTION A65-81343
- RAAB, H. W.**
HUMAN TOLERANCE TO PROLONGED ACCELERATION
AMRL-TR-65-36 N65-27334
- RAAB, W.**
CARDIOVASCULAR SYMPATHETIC TONE AND STRESS
RESPONSE RELATED TO PERSONALITY PATTERNS AND

- EXERCISE HABITS - POTENTIAL CARDIAC RISK AND SCREENING TEST A65-81599
- RAACKE, I. D.
ENZYMATIC SELF-SUFFICIENCY OF NATURAL ISOLATED ACTIVE ESCHERICHIA COLI POLYSOMES FOR AMINO ACID INCORPORATION A65-18029
- GENERAL PROPERTIES AND DISTRIBUTION OF NUCLEOSIDE TRIPHOSPHATASES IN CRUDE EXTRACTS OF ESCHERICHIA COLI
NASA-CR-59104 N65-29387
- DIFFERENTIAL DISTRIBUTION OF RNA AND PROTEIN IN RIBOSOMAL FRACTIONS OF ESCHERICHIA COLI
NASA-CR-59068 N65-29388
- FATE OF SPECIFIC RIBONUCLEOSIDE TRIPHOSPHATASES PURIFICATION AND RECONSTITUTION OF RIBOSOMAL SYSTEM OF ESCHERICHIA COLI
NASA-CR-59029 N65-29485
- RABBITT, P.
DIFFICULTY IN DISCRIMINATING BETWEEN RELEVANT AND IRRELEVANT INFORMATION RELATED TO AGE A65-81122
- RABBITT, P. M.
IGNORING IRRELEVANT INFORMATION IN IDENTIFICATION OF DESIGNATED SYMBOLS ON VISUAL DISPLAY A65-80706
- RABIDEAU, G. F.
FIELD MEASUREMENT OF HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS, NOTING LIMITATION UPON EVALUATOR A65-34679
- RABIN, A. G.
COOLING EFFECT ON SOMATO SENSORY CORTEX CENTERS AND ON POTENTIAL RESPONSE IN CATS TO ELECTRIC STIMULATION TRANSMITTED BY THALAMUS NUCLEUS A65-80720
- RABKIN, I. YE.
FILTERS FOR ROENTGENOGRAPHY, ANGIOGRAPHY, AND CINEMATOGRAPHY TO DETERMINE RELATION BETWEEN IRRADIATION DOSAGE AND FILTRATION OF PRIMARY BEAM N65-26805
- RABOTNOVA, I. I.
MYCOBACTERIAL GROWTH ON PETROLEUM AND OIL PRODUCTS JPFS-31360 N65-29790
- ABOUTET, J.
SICKNESSES AND PHYSICAL FITNESS OF AVIATION PERSONNEL A65-81781
- RACHINSKIY, F. Y.
USE OF RADIOMIMETIC FOR TESTING POSSIBLE USE OF THIAZOLIDINE COMPOUNDS FOR PROTECTION AGAINST RADIATION DAMAGE TO TISSUE CELLS A65-80542
- CHEMICAL PROPHYLAXIS EFFECTS ON RADIATION RESISTANCE AND TOLERANCE IN HUMAN AND ANIMALS
JPFS-27227 N65-10039
- RACHMAN, S.
PURSUIT ROTOR PERFORMANCE, REMINISCENCE, INHIBITION, AND CONSOLIDATION A65-82107
- RADDI, R.
BLOOD COAGULATION PROCESS IN EXPERIMENTAL LEAD POISONING OF RABBITS A65-81255
- BEHAVIOR OF BLOOD PLATELETS DURING EXPERIMENTAL LEAD POISONING IN RABBITS A65-81256
- DIAGNOSTIC METHODS USED IN CARBON MONOXIDE POISONING - COMPARATIVE STUDY A65-81401
- RADKEVICH, L. A.
ACCELERATION EFFECTS ON ANIMAL GROWTH N65-13642
- PROLONGED ACCELERATION AND GRAVITATIONAL FORCES EFFECT ON GROWTH OF ORGANISM AND VITAL ACTIVITY OF SYSTEMS - PHYSIOLOGICAL EFFECTS N65-31378
- RADNOFSKY, M. I.
SPACE SUIT DESIGN RELATIONSHIP TO LUNAR SURFACE AND FREE SPACE HAZARDS EFFECT ON APOLLO EXTRAVEHICULAR MOBILITY UNIT / EMU/ AND HUMAN PHYSIOLOGY A65-26982
- LUNAR EXPLORATION SPACE SUIT DESIGN FOR EXTRAVEHICULAR OPERATION A65-81392
- RAEVA, S. N.
EVOKED NON-SPECIFIC RESPONSES OF SENSORY-MOTOR CEREBRAL CORTEX TO NONDIFFERENTIATED AND UNCONDITIONED STIMULI IN MAN A65-82205
- RAFALSKIY, YA. D.
EFFECT OF AGE, CONTINUOUS SOUND, AND PHOTIC STIMULI ON DEVELOPMENT OF NUTRITIONAL CHOLESTEROL ATHEROSCLEROSIS, AND ROLE OF CENTRAL NERVOUS SYSTEM IN PATHOGENESIS N65-23445
- RAFFO, M.
ELECTROCARDIOGRAPHIC AND METABOLIC CHANGES DURING MUSCULAR WORK IN NORMAL MEN A65-81400
- RAGHUNATH, V. M.
PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS AEET/HP/TH-21 N65-31022
- RAHN, H.
OXYGEN STORAGE IN MAN A65-80368
- EFFECT OF COMPRESSION ON COMPOSITION AND ABSORPTION OF TISSUE GAS POCKETS IN RATS A65-81907
- RAINSFORD, S. G.
SCREENING TEST FOR URINARY EXCRETION OF PHENOL BY MEN EXPOSED TO BENZENE VAPOR A65-80611
- RAJEVSKI, V.
INFLUENCE OF HIBERNATION AND INTERMITTENT HYPOTHERMIA ON FORMATION OF IMMUNE HEMAGGLUTININS IN GROUND SQUIRREL, CITELLUS CITELLUS A65-81497
- RAKATANSKY, H.
ACCURATE PUPIL SIZE MEASUREMENT USING TELEVISION CAMERA AND CALIBRATED MONITOR CRDL-TM-2-3 N65-22392
- RALEIGH, H. D.
ANNOTATED BIBLIOGRAPHY ON PHYSICAL AND CHEMICAL METHODS FOR REMOVAL OF RADIOACTIVE CONTAMINATION TID-3535, SUPPL. 1 N65-24262
- RAMAN, C. V.
UNIFORMLY ILLUMINATED SURFACE LUMINOSITY FLUCTUATIONS DUE TO CORPUSCULAR NATURE OF LIGHT AS VIEWED BY HUMAN OBSERVER A65-18424
- RAMBOURG, A.
SENSITIVITY OF VARIOUS ORGANS TO HYPOXIA - HISTOAUTHORADIOGRAPHIC STUDY OF PROTEIN METABOLISM IN VARIOUS ORGANS IN MOUSE A65-80111
- PROTEIN SYNTHESIS OF THE EXOCRINE PANCREAS DURING HYPOXIA IN MICE - HISTOAUTHORADIOGRAPHIC STUDY IN MOUSE A65-80114
- ANAEROBIC GLYCOLYSIS AS PATHWAY FOR PROTEIN SYNTHESIS IN PANCREAS DURING HYPOXIA IN MOUSE A65-80122
- RAMISHVILI, G. S.
SPEAKER IDENTIFICATION BY EXPRESSING VOICE SIGNAL AT ANALYZER OUTPUT IN TERMS OF FREQUENCY, TIME AND AMPLITUDE A65-15666
- RAMOS, E.
STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND DIETS OF CHILDREN N65-36616
- RAMSEY, R. C.
HELMETS, EARPHONES, AND MICROPHONES FOR FLYING PERSONNEL AC-461367 N65-26948
- NOISE ATTENUATING HELMET FOR ASTRONAUTS DURING

- LAUNCHING
AD-460990 N65-34383
- EVALUATION OF EXPERIMENTAL HEADSET IN HIGH
INTENSITY NOISE FIELD
AD-463731 N65-35296
- RANDALL, W. C.
SUDDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING
ENVIRONMENTAL TEMPERATURE A65-81133
- RANDLE, R. J., JR.
FLOATING POINT AND FIXED POINT NUMBER DISPLAY
TRAINING FOR ONBOARD DIGITAL COMPUTER USE IN
AIRBORNE AND SPACE VEHICLES
NASA-TN-D-2634 N65-15615
- RANDOLPH, C., JR.
SINUSITIS INCIDENCE IN AVIATORS AS RELATED TO AGE
AND BAROTRAUMA EXPOSURE A65-82371
- RANGANATHAN, S.
HOT-WIRE MICROANEMOMETER OF AIR MOVEMENTS
INSIDE CLOTHING A65-81921
- RAO UPPULURI, V. R.
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY
OF RADIOACTIVE MATERIAL IN COMPARTMENTED
SYSTEM
ORNL-3809 N65-25848
- RAO, B. D. P.
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809
- HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT
AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT
A65-81744
- RAPOPORT, A.
MULTIPLE-CHOICE DECISION BEHAVIOR INFLUENCED BY
TWO DIFFERENT PAYOFF FUNCTIONS A65-80514
- EXPECTED VALUE AND RESPONSE UNCERTAINTY IN
MULTIPLE CHOICE DECISION BEHAVIOR
A65-81984
- RAPPAPORT, B.
VERY HIGH FREQUENCY SILICON POWER TRANSISTOR
MASS PRODUCTION ENGINEERING PILOT PLANT FACILITY
AND PROCESS MANUAL
TE-4000-15-F N65-19005
- RASMUSSEN, E. T.
PSYCHOLOGICAL EXAMINATION AND SELECTION OF PILOT
TRAINEES IN ROYAL DANISH AIR FORCE A65-81330
- RASMUSSEN, R. E.
REPAIR OF UV DAMAGED DEOXYRIBONUCLEIC ACID IN
CULTURED MAMMALIAN CELLS CONTAINING BROMURACIL
DEOXYRIBOSIDE A65-18398
- PRIOR PHOTOREACTIVATION AND GROWTH CONDITIONS
EFFECT ON EARLY THYMELESS DEATH OF ESCHERICHIA
COLI B3 EXPOSED TO UV RADIATION
A65-21948
- RASUMEYEV, A. N.
BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661
- RATLIFF, F. P.
ADVANCED STATE OF SOVIET TRAINING THEORIES
INDICATED BY SIMULATION DEVICES AND TECHNIQUES
EMPLOYED IN THEIR MANNED SPACE PROGRAM
AIAA PAPER 65-276 A65-22260
- RAUCH, S.
DIFFERENCES IN METABOLISM OF INDIVIDUAL TURNS OF
COCHLEA A65-82130
- RAUSHENBAKH, M. O.
CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS A65-80979
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
- RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237
- RAUTENBERG, W.
SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL
COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF
LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL
A65-80323
- RAVICH-SHCHERBO, M. I.
PROTECTIVE ACTION OF BACTERIAL /BACTERIUM
PARACOLI/ ANTIGENS IN ACUTE RADIATION SICKNESS
OF RABBIT INDUCED BY GAMMA IRRADIATION
A65-80264
- RAWSON, R. O.
TELEMETERING HYPOTHALAMIC TEMPERATURES OF
UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT
ENVIRONMENTS A65-80682
- RAY, W. S.
MILD STRESS RELATED TO INTERFERENCE OF
PROBLEM-SOLVING A65-81579
- RAYEVSKAYA, S. A.
TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW
MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524
- RAYNAUD, G.
OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108
- RAZDOVSKIY, V. I.
FUNCTIONAL CHANGES IN MAN DURING PROLONGED
ISOLATION N65-13667
- RAZGOVOROV, B. L.
HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY A65-81989
- COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039
- RAZSOLOV, N. A.
EFFECT OF OXYGEN STARVATION ON MOTION SICKNESS
N65-13752
- RAZUMEYEV, A. N.
CEREBRAL CORTEX BIOELECTRIC ACTIVITY IN ACUTE
HYPOXIA N65-17767
- RECHTSCHAFFEN, A.
EFFECT OF VISUAL STIMULI ON DREAM CONTENT DURING
SLEEP A65-81653
- REECE, W. O.
DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES
CDO-1170-3 N65-24619
- REED, O. J.
TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND
EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112 N65-17909
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND
LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151
- EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN
AMINES AND AMINO ACIDS
AMRL-TR-64-113 N65-24417
- REED, J. F.
REGENERATIVE CARBON DIOXIDE REMOVAL SUBSYSTEM
DESIGN USED IN SPACE CABIN SIMULATOR TEST PROGRAM
FOR OPTIMIZING ENVIRONMENTAL CONTROL SYSTEM

- A65-34478
- REED, J. H., JR.
DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398
- REED, L. J.
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE
OXIDATIVE DECARBOXYLATION OF PYRUVATE IN
ESCHERICHIA COLI A65-16854
- STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF
ESCHERICHIA COLI
NASA-CR-58980 N65-29416
- REEDER, C. E.
EFFECT OF INCREASED LEAD-IN TIME ON KINETIC VISUAL
ACUITY DURING TARGET TRACKING A65-81684
- REEVES, T. J.
CIRCULATORY AND VENTILATORY RESPONSES TO
POSTPRANDIAL EXERCISE A65-81361
- REGAN, R. A.
INVESTIGATION OF MACHINE-ASSISTS TO OPERATOR
PERFORMANCE - SIGNAL DETECTION AND TASK
COMPLEXITY
AD-605713 N65-25770
- REGIS, H.
VISUALLY-EVOKED POTENTIALS IN MAN RECORDED
TRANSCRANIALY FOR NORMAL PATIENTS AND THOSE
SUFFERING FROM CEREBRAL DISEASES - CENTRAL
NERVOUS SYSTEM N65-28751
- REGISTER, J. W.
MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE
CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES
A65-81971
- REGNIER, A.
EFFECT OF DIETETIC MEASURES ON OSMOTIC BALANCE
OF BLOOD IN NORMAL PERSONS
NASA-TT-F-9439 N65-29726
- REHDER, K.
PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING
INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323
- REICHER, G. M.
CLUSTERING IN FREE RECALL AS FUNCTION OF BLOCK
AND RANDOM PRESENTATION, VARIABLE EXPOSURE
TIMES, AND LISTS OF HIGH AND LOW FREQUENCY
ASSOCIATES OF CATEGORY NAMES
TR-3 N65-36307
- REICHLIN, M.
QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR
DETECTION OF SMALL DIFFERENCES IN PROTEIN
STRUCTURE
NASA-CR-58660 N65-29652
- REIFLER, C. B.
MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD
AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066
- REIHER, L.
MEASUREMENT OF STEREOSCOPIC ACUITY AT DIFFERENT
OBSERVATION A65-82289
- REIJS, J. H. O.
VARIATIONS IN STRENGTH OF MUSCLES DURING MOVEMENT
USING DYNAMOMETER MEASURING DEVICE
NASA-TT-F-9339 N65-27676
- REINBERG, A.
BIOLOGICAL RHYTHMS IN PLANTS, VERTEBRATES, AND
INVERTEBRATES A65-80128
- REINDELL, H.
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY
A65-80451
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
- VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK A65-80452
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS A65-80453
- CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME A65-80693
- REINEHR, R. C.
RELATION BETWEEN SCORE ON STIMULUS VARIATION SCORE
AND AUTOKINETIC MOVEMENT A65-81935
- REINHARDT, C. F.
HEPATOTOXICITY OF RAT FROM HYDRAZINE AND
1,1-DIMETHYLHYDRAZINE /UDMH/ AS TO THAT OF CARBON
TETRACHLORIDE A65-81529
- IN VIVO AND IN VITRO EFFECTS OF HYDRAZINE AND
1,1-DIMETHYL HYDRAZINE ON BLOOD SERUM AND
LIVER TISSUE ENZYME ACTIVITIES
AMRL-TR-65-19 N65-27575
- REISEMER, W., JR.
DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- REITE, M. R.
CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC
STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064
- REITE, O.
AUTONOMIC NERVOUS INFLUENCE ON HEART OF
HYPOTHERMIC HIBERNATOR, EUROPEAN HEDGEHOG,
ERINACEUS EUROPEUS A65-81463
- REKOSH, J. H.
EFFECTS ON HAND-EYE COORDINATION OF TWO DIFFERENT
ARM MOTIONS DURING COMPENSATION FOR DISPLACED
VISION A65-81647
- REMOND, A.
CORTICAL AND OCULAR ELECTRICAL RESPONSES TO
INTERMITTENT LIGHT STIMULATION IN MAN
A65-80773
- TOPOLOGICAL ASPECTS OF DATA PROCESSING RELATED
TO ELECTRICAL ACTIVITY OF BRAIN
N65-28754
- RENDahl, I.
HUMAN ELECTRORETINOGRAM RESPONSE TO SLOW
FLICKERING LIGHT STIMULUS AS RELATED TO COLOR
VISION AND EYE DISEASE A65-80778
- RENNIE, D. W.
OXYGEN EFFECT AT HIGH AMBIENT PRESSURE ON BLOOD
FLOW AND OXYGEN CONSUMPTION OF KIDNEY IN DOG
BREATHING 100 PERCENT OXYGEN A65-80072
- RENO, V. R.
MAGNETIC FIELD EFFECT ON CELL RESPIRATION OF MOUSE
AS RELATED TO TISSUE TYPE AND AGE AND FIELD
STRENGTH AND TEMPERATURE A65-80426
- REPIN, I. S.
HYPERCAPNIC EFFECT ON NORMAL AND STIMULATED
POTENTIALS OF INTACT AND ISOLATED CEREBRAL CORTEX
IN RABBITS A65-80441
- REPIN, I. U. M.
TEMPORARY CARDIAC HYPERTROPHY INDUCED BY HYPOXIA
DURING HIGH ALTITUDE SIMULATION
A65-80443
- RESHETNYAK-MOISEYEVA, V. I.
EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION
OF SMALL INTESTINE IN GUINEA PIGS
A65-81990
- RESHETNYAK-MOISEYEVA, V. I.
EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG
N65-35892

- RESPINI, E. M.
CLINICAL ASPECTS OF AEROSPACE NURSING AND
EDUCATIONAL REQUIREMENTS OF NURSES
A65-81374
- RESTA, P. E.
VARIABLES AFFECTING DETECTION, IDENTIFICATION, AND
INTERPRETATION OF TARGETS ON REMOTE SENSOR
DISPLAYS IN MANNED SPACE SURVEILLANCE SYSTEM
N65-33554
- REUMONT, M. R.
LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT,
DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE
MANAGEMENT
A65-12545
- REVIS, V. A.
TRANSPLANTS OF HEMOPOIETIC TISSUE AS
RADIOPROTECTIVE MECHANISM IN RABBITS
A65-81676
- REVUSKY, B. T. L.
CONDITIONING OF HUMAN VESTIBULAR SWAY RESPONSE
A65-81011
- REY, J.-P.
DECREASE OF SUBJECTIVE OPTICAL FUSION FREQUENCY
FOLLOWING VISUAL TASK
A65-80151
INTERMITTENT LIGHT STIMULATION EFFECT ON CRITICAL
FUSION FREQUENCY
A65-81224
- REY, P.
DECREASE OF SUBJECTIVE OPTICAL FUSION FREQUENCY
FOLLOWING VISUAL TASK
A65-80151
INTERMITTENT LIGHT STIMULATION EFFECT ON CRITICAL
FUSION FREQUENCY
A65-81224
- REYNOLDS, B. A.
DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE
IN BLOOD SERUM - TOXICOLOGY
AMRL-TDR-64-24
N65-31864
- REYNOLDS, D.
DOUBLE STIMULATION EFFECT - TEMPORARY INHIBITION
OF RESPONSE WITH RESPECT TO REACTION TIME,
DICHOTIC LISTENING, AND STEREOSCOPIC PERCEPTION
STUDIES
A65-80098
- REYNOLDS, H. H.
INTERNATIONAL RESEARCH ON ANIMAL ROLE AS PRECURSOR
FOR MAN IN SPACE
A65-14809
MONKEY PERFORMANCE FOLLOWING INJECTION OF
DECABORANE
AMRL-TDR-64-74
N65-10268
REACTION TIME OF PREADOLESCENT CHIMPANZEE
ARL-TR-64-10
N65-10466
BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE
LABORATORY
ARL-TR-64-17
N65-17750
EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING
SUBJECTED TO DECOMPRESSION TO NEAR VACUUM
FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE
N65-36769
- REYNOLDS, J. H.
BRANCHING EVALUATION IN LINEAR TRAINING PROGRAM -
HUMAN PERFORMANCE
AMRL-TR-64-108
N65-19150
LEARNING SET FORMATION IN PROGRAMMED INSTRUCTION
AMRL-TR-64-114
N65-19602
REPETITION AND SPACED REVIEW EFFECT IN PROGRAMMED
INSTRUCTION - PSYCHOLOGICAL TESTING
AMRL-TR-64-128
N65-21048
PROGRAMMING METHOD AND RESPONSE MODE IN VISUAL-
ORAL TASK - PSYCHOLOGY
AMRL-TR-64-129
N65-24418
- REYNOLDS, D. E.
EXTRATERRESTRIAL LIFE DETECTION ON MARS USING
UNMANNED SPACECRAFT EQUIPPED FOR AUTOMATIC
PHYSICAL AND CHEMICAL TESTS
A65-26739
- REYNOLDS, R. C.
ULTRAVIOLET RADIATION EFFECT ON HUMAN
CELLULAR RESPONSES CORRELATED TO
ULTRASTRUCTURAL CHANGES
A65-80224
- REZNIK, N. D.
ATHEROSCLEROTIC DIAGNOSED BY DETERMINATION OF
SPEED OF PULSE WAVE PROPAGATION THROUGH VESSELS
OF AORTA
NASA-TT-F-9569
N65-33809
- REZONTOV, V. A.
DOG RECOVERY FROM RADIATION SICKNESS - STATE OF
MYELOPOIESIS IN DOGS UNDER REPEATED IONIZING
RADIATION
N65-26389
- RHEE, K. U.
DECREASE IN VISUAL ACUITY DURING NIGHT VISION DUE
TO SMOKING
A65-81433
- RHEINLANDER, T. W.
PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
DISPLACEMENT FUNCTION, AND TARGET VELOCITY
A65-82361
- RHOADS, C. J.
PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
FUSION
A65-82260
- RHODES, J. M.
CORTICAL AND SUBCORTICAL ELECTROENCEPHALOGRAPHIC
STUDIES IN CHIMPANZEE IN DIFFERING SLEEP STAGES
A65-27064
PARAMETERS FOR COMPUTER ANALYSIS OF
NEUROPHYSIOLOGICAL DATA USING EEG FROM
NORMATIVE LIBRARY
N65-28766
PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- RICCIARDI, C. A.
EFFECTS OF NONCONTIGUOUS INDUCING FIELDS UPON
RETINAL FLICKER FUSION FREQUENCY THRESHOLD
AD-618697
N65-34895
- RICCIO, D. C.
CHANGES IN SPONTANEOUS ACTIVITY AS MEASUREMENT OF
SENSITIVITY TO ROTATION IN WHITE RATS
NASA-CR-67253
N65-35110
- RICE, C. E.
SONAR SYSTEM OF BLIND PERSONS - SIZE
DISCRIMINATION
A65-81155
- RICH, G. Q.
OXYGEN CONSUMPTION DURING EXERCISE WITHOUT BODY
LIFTING AGAINST GRAVITY, NOTING CORRELATION WITH
BODY WEIGHT AND SURFACE AREA
A65-16562
OXYGEN COST OF WORK PERFORMED IN DIFFERENT
POSTURES WHEN BODY WEIGHT IS NOT LIFTED AGAINST
GRAVITY
A65-80384
- RICHARDS, L. A.
WATER FLUX FROM SOIL TO PLANT TO ATMOSPHERE, SOIL
WATER MOVEMENT, SOIL-WATER ENERGY RELATIONS,
INTERNAL WATER RELATIONS IN PLANT LEAVES, AND
LOWER LIMIT OF WATER AVAILABILITY TO PLANTS
RR-374
N65-14326
- RICHARDSON, A. W.
MICROWAVE RADIATION OF RAT AND EFFECT OF
PYRIDOXINE AND PYRIDOXAL ON CIRCULATORY RESPONSE
A65-80756
EFFECT OF DIGITOXIN /GLYCOSIDE OF DIGITALIS
PURPUREA/ ON CIRCULATORY RESPONSE OF RATS TO
MICROWAVE IRRADIATION
A65-81886
- RICHARDSON, D. W.
LIMB CIRCULATORY RESPONSE TO
HYPOCAPNIA IN ANESTHETIZED
DOG AS AFFECTED BY PHENOLYMBENZAMINE

- A65-80227
RESPONSE MECHANISM IN DOGS OF CIRCULATION AND
CARDIOVASCULAR SYSTEM TO HYPOXIA
- A65-81502
RICHARDSON, R. S.
CHARACTERISTICS OF MARS AND POSSIBILITY OF
EXISTENCE OF LIFE A65-81018
- RICHIR, M.
FREE RADICALS INDUCED BY X-RAY IRRADIATION
IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF
ELECTRONIPARAMAGNETIC RESONANCE SPECTRUM OF
DEGRADED DNA A65-27950
- RICHLIN, M.
TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609 N65-29386
- RICHTER, G.
ISOLATION OF DNA-RNA COMPLEX FROM CHLORELLA CELLS
A65-80933
- RICHTER, HS. R.
PHOTOELECTRONYSTAGMOGRAPHY AND PHOTOELECTRO-
OCULOGRAPHY A65-81049
- RICHTER, W.
POSSIBLE BIOLOGICAL ORIGIN OF ISOPRENOID ALKANES
FOUND IN SEDIMENTS 30 MILLION AND 2-1/2 BILLION
YEARS OLD A65-23841
- EVIDENCE OF LIFE PROCESSES IN SEDIMENT OVER TWO
BILLION YEARS OLD AS RELATED TO BIOLOGICAL OR
ABIOLOGICAL ORIGIN OF HYDROCARBONS FROM METEORITES
A65-81233
- RICKLES, W. H., JR.
GALVANIC SKIN RESPONSE RECORDING APPARATUS
AD-610222 N65-18684
- RIECK, A.
SEAT COMFORT DETERMINED BY COMPARATIVE RECORDING
OF SUBJECTIVE JUDGMENT AND INTENSITY AND FREQUENCY
OF INVOLUNTARY MOVEMENTS A65-80173
- RIEDELSE, M. L.
TOLERANCE OF GROUND SQUIRRELS /CITELLUS LATERALIS
AND C. SPILOSOMA/ FOR WATER DEPRIVATION DURING
HIBERNATION A65-81470
- RIEDSTRA, J. W.
VENTILATORY RESPONSE TO HYPOXIC CHEMOCEPTOR
STIMULATION OF CAT AS AFFECTED BY CENTRAL AND
PERIPHERAL CARBON DIOXIDE TENSION A65-80786
- RIELY, P. E.
AEROBIC AND ANAEROBIC MICROFLORA OF HUMAN FECES
USING SPACE-TYPE DIETS
AMRL-TR-64-107 N65-14829
- RIETVELD, W. J.
INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT A65-81107
- INFLUENCE OF FLASH INTENSITY UPON VISUAL EVOKED
RESPONSE IN HUMAN CORTEX A65-81991
- RIFKIN, K. I.
BINOCULAR FUSION NOT AFFECTED BY OBSERVER
INTERPRETATION OF STIMULUS A65-80686
- RIGGS, S. K.
PHYSIOLOGICAL REGULATION IN MOIST HEAT BY YOUNG
AMERICAN NEGRO AND WHITE MALES A65-80690
- RILEY, R. L.
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY
TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL
A65-81893
- RIMKUS, R.
PSYCHOLOGICAL INVESTIGATION OF NOISE EFFECT ON
MOTOR AND MENTAL PERFORMANCE A65-80692
- RINALDI, R.
2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND
BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION
A65-80824
- RIND, H.
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF PURE
OXYGEN CABIN ATMOSPHERE ON HUMAN PERFORMANCE
N65-14456
- RINETTI, M.
MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK A65-80513
- RIPPS, H.
DIRECTIONAL SENSITIVITY OF RETINA TO INCOMING
LIGHT WAVES AND EFFECT ON BRIGHTNESS
DISCRIMINATION A65-80030
- RISAVI, A.
MECHANISM OF BLAST INJURY TO EAR
A65-81201
- RITTER, M.
INTEROCULAR TRANSFER AND NEGATIVE AFTEREFFECT
AFTER PRISM-INDUCED DISTORTION OF VISION
A65-81857
- RITZINGER, F. R.
DISEASE DISSEMINATION BETWEEN COUNTRIES BY AIR
TRAVEL A65-36001
- DISEASE TRANSMISSION BY AIRCRAFT
A65-81584
- RITZINGER, F. R., JR.
DEVELOPMENT AND HISTORY OF PRESSURE SUIT FOR HIGH
ALTITUDE FLYING A65-80624
- RIVERA, J.
FALLOUT DEPOSITION - RADIOACTIVE NUCLIDE LEVELS
IN MILK, TAP WATER, SOIL, AND UPPER ATMOSPHERE
AIR SAMPLES
HASL-155 N65-15865
- RADIATION FALLOUT MEASUREMENTS FROM VARIOUS
WORLDWIDE SAMPLINGS AND STRATOSPHERIC
DISTRIBUTION OF RADIOACTIVE DEBRIS
HASL-158 N65-22800
- RIXON, R. H.
PROTECTION OF LYMPHOCYTES IN THYMUS OF
X-IRRADIATED RATS BY CYSTEAMINE
A65-81235
- ROBBINS, D. E.
SPACE RADIATION EFFECTS ON APOLLO MISSION -
SHIELDING ANALYSIS N65-34592
- ROBERTS, J. B.
IMPACT TESTING OF HELMETS BY SWINGAWAY AND ANVIL
METHODS TO DETERMINE CAPABILITY TO ABSORB MULTIPLE
BLOWS A65-11395
- ROBERTS, L. B.
INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS A65-82092
- ROBERTS, N.
SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS
GUACAMAIA AND S. LOELESTIUS A65-80815
- ROBERTS, R. A.
THEORY OF SIGNAL DETECTABILITY AND
DEFERRED DECISION THEORY A65-81424
- ROBERTSON, W. G.
INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING
PHYSIOLOGICAL SUITABILITY AND ENGINEERING
CONSTRAINTS A65-14576
- RATE OF RAT LUNG COLLAPSE AFTER AIRWAY OCCLUSION
WHILE BREATHING 100 PER CENT OXYGEN AT VARIOUS
AMBIENT PRESSURES A65-80669
- ROBINSON, B. W.
BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES A65-81156

- TELESTIMULATOR SYSTEMS FOR OBSERVATION OF
PHYSIOLOGICAL RESPONSES OF SUBJECTS RECEIVING
ELECTRIC STIMULATION OF BRAIN N65-34005
- ROBINSON, D. A.
MEASUREMENT OF EYE MOVEMENT USING MAGNETIC
INDUCTION IN CONTACT LENS COIL A65-81061
- ROBINSON, H. W.
COMPENSATORY TRACKING AND AUDITORY DISTRACTION BY
NOISE A65-80573
- ROBINSON, N.
RADIATION LOAD BY DIRECT SUN RADIATION AND
SCATTERED SKY RADIATION ON INSTRUMENTS IMITATING
PHYSIOLOGICAL BEHAVIOR OF HUMAN BODY A65-80909
- ROBINSON, S.
TOLERANCE OF YOUNG MEN FOR WORK IN HEAT AS
AFFECTED BY STRENUOUS TRAINING DURING WINTER
A65-81134
ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602
RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK A65-81631
- ROBION, J.
VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124
OCCUPATIONAL DEAFNESS IN VARIOUS TYPES OF
MECHANICS WORKING ON JET AIRCRAFT BASES
A65-80125
- ROBOLOTSKAYA, G. M.
COMPENSATION MECHANISMS IN CHRONIC OXYGEN
DEFICIENCY IN BLOOD CIRCULATORY SYSTEM
N65-17791
- ROBSON, J. G.
ATTENUATION CHARACTERISTICS OF VISUAL SYSTEM
DETERMINED BY MEASURING FLICKER THRESHOLD,
BRIGHTNESS, AND PUPILLOMOTOR EFFECT OF MODULATED
LIGHT A65-80770
- ROBY, T. B.
FRAMEWORK FOR REPRESENTING AND INVESTIGATING
FUNCTIONAL PROPERTIES OF COGNITION A65-82040
PROCEDURAL CONSTRAINT AND TASK PERFORMANCE -
ORGANISM BEHAVIOR, DECISION MAKING, AND TESTING
ESD-TR-64-663 N65-22466
PSYCHOLOGY - EFFECTS OF SOCIAL INFLUENCE IN MAKING
DECISIONS - MEASUREMENT OF CONFIDENCE AND TRUST
USING GROUP BEHAVIOR PATTERNS ESD-TDR-65-299 N65-34557
- ROCH, P.
MAXIMAL AND SUBMAXIMAL ERGOMETRIC TESTS -
INTERPRETATION AND MODIFICATION ACCORDING TO AGE
AND TRAINING A65-80695
- ROCK, I.
PERCEPTION OF OBJECTS IN TERMS OF VISUAL ANGLE
A65-80507
- RODAHL, K.
PLASMA FREE FATTY ACID TURNOVER IN DOG DURING
EXERCISE AS RELATED TO PHYSICAL CONDITION AND
BLOOD LACTATE A65-80680
PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- RODICH, F. S.
RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING A65-82220
- RODIECK, R. W.
RESPONSES OF SINGLE UNITS IN LATERAL GENICULATE
- NUCLEUS /DIENTEPHALON/ OF CAT TO MOVING VISUAL
PATTERNS A65-81302
- RODIN, E. A.
RELATIONSHIP OF ELECTROENCEPHALOGRAPH BACKGROUND
RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN
A65-82277
- RODMAN, T.
CARBON DIOXIDE, OXYGEN, AND PH ELECTRODES FOR
ARTERIAL BLOOD ANALYSIS A65-81492
- RODMAN, A. S.
PRIMACY OF FORM CRITERION IN PERCEPTUAL JUDGMENTS
A65-81985
- ROEHRIG, W. C.
ELECTROMECHANICAL APPARATUS FOR ONE OR TWO
DIMENSIONAL PURSUIT TRACKING AND SENSORY FEEDBACK
A65-82343
- ROEPE, R. A.
SURVIVAL AND INJURY IN UNITED STATES AIR CARRIER
WATER ACCIDENTS PERTAINING TO CREW TRAINING AND
EQUIPMENT A65-81542
- ROESCH, W. C.
RADIATION EFFECT AND DOSIMETRY STUDIES
HW-83605 N65-12939
- ROESSGER, E.
FLIGHT INDICATOR FUNDAMENTALS IN TERMS OF CONTROL
THEORY AND MAN-MACHINE INTEGRATION A65-21156
- ROESSLER, W. G.
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY N65-22299
- ROESSMANN, U.
FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE A65-81099
- ROETSCH, M.
HUMAN EYE PHYSIOLOGY WITH RESPECT TO SENSITIVITY
AND PERCEPTION FOR ASTRONOMICAL OBSERVATION
A65-32922
- ROGAILIN, V. I.
CHANGES IN SEBACEOUS GLAND FUNCTION OF INDUSTRIAL
WORKERS USING ACETONE, GASOLINE AND WHITE SPIRIT
A65-81372
- ROGALLO, V. L.
ULTRASENSITIVE MOMENTUM TRANSDUCER USED AS
BALLISTOCARDIOGRAPH FOR MEASURING HEART BEAT
OF AVIAN EMBRYOS NASA-TN-X-54041 N65-25972
- ROGERS, C. B.
VARIATION OF ATMOSPHERIC SEEING BLUR WITH DISTANCE
OF OBJECT TO OBSERVER A65-82224
- ROGERS, J. G.
SHARED SPECTRUM DISPLAY ENHANCEMENT - LIGHTING
TECHNIQUE FR-65-10-30 N65-19352
- ROGERS, T. A.
ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- ROGOFF, I.
ROLE OF APPARENT SLANT IN SHAPE JUDGMENTS
A65-81341
- ROGOV, A. A.
HIGHER NERVOUS ACTIVITY IN MAN - SELECTION AND
TRAINING OF FLIGHT PERSONNEL N65-13753
SIGNIFICANCE OF HYPOXEMIA IN CHILD PATHOLOGY
N65-17762
- ROGOVA, T. L.
INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES,
AND BONE MARROW OF RABBITS EXPOSED TO RADIATION

- ROGOW, E.
CIRCULATORY DYNAMICS AND BLOOD PRESSURE DURING
COLD PRESSOR TEST
A65-81600
N65-21211
- ROGOZEA, R.
EFFECTS OF AUDITORY AND OPTICAL STIMULI
DISCONTINUANCE ON ELECTROENCEPHALOGRAM IN CATS.
A65-81713
- ROGOZKIN, V. V.
RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS
NASA-TT-F-9259
N65-18337
- ROHLES, F. H.
CONSIDERATION FOR ENVIRONMENTAL RESEARCH IN HUMAN
FACTORS
A65-81391
BEHAVIORAL RESEARCH WITH ANIMALS IN MANNED SPACE
LABORATORY
ARL-TR-64-17
N65-17750
- ROHLES, F. H., JR.
PHYSICAL, ORGANISMIC AND RECIPROCAL HUMAN FACTORS
CONSIDERED AND CONTROLLED IN ENVIRONMENTAL
RESEARCH
A65-26980
TECHNIQUE USING MONKEY FOR MEASURING
ACCEPTABILITY OF AIR MOVEMENT AT HIGH TEMPERATURE
A65-81476
- ROHMERT, W.
RELATIVE MUSCLE STRENGTH AND ENDURANCE AFTER
ISOMETRIC AND DYNAMIC METHODS OF TRAINING
A65-81269
RATE OF INCREASE OF STRENGTH THROUGH ISOMETRIC
TRAINING AS FUNCTION OF INITIAL RESTING LENGTH OF
MUSCLE IN MEN AND WOMEN
A65-81271
- ROHRACHER, H.
MICROVIBRATION OF HUMAN BODY
A65-80201
- ROLNIK, V. V.
EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM
A65-80752
- ROMAN, J.
ARTERIAL AND ACOUSTIC BLOOD PRESSURE MEASUREMENTS
TAKEN WHILE PILOTING JET FIGHTER AIRCRAFT,
EMPHASIZING SOURCES OF ERROR
A65-24077
PHYSIOLOGICAL PARAMETER RESEARCH AND
INSTRUMENTATION DEVELOPMENT PHASES OF LONG RANGE
PROGRAM FOR IN-FLIGHT MONITORING IN FLIGHT
ENVIRONMENT
A65-26166
PHYSICAL RISK AND RESPONSIBILITY FOR MISSION AS
FACTORS IN MODULATING HEART RATE IN TEST PILOTS
A65-26167
VALIDITY OF DATA GATHERED BY AUTOMATIC ACOUSTIC
BLOOD PRESSURE DEVICE
A65-81064
HEART RATE OF TEST PILOTS OF HIGH PERFORMANCE
AIRCRAFT AS AFFECTED BY RISK TAKING AND MISSION
RESPONSIBILITY
A65-81293
NASA PROGRAM TO DEVELOP IN-FLIGHT MEDICAL
MONITORING WITH COMPUTER TECHNIQUES FOR HANDLING
DATA
A65-81336
VALIDITY OF ACOUSTIC METHOD OF BLOOD PRESSURE
DETERMINATION - AEROSPACE MEDICINE
SAM-TR-65-27
N65-35036
- ROMANO, S.
INTESTINAL ABSORPTION OF CALCIUM IN ADULT AND
ELDERLY SUBJECTS
A65-81548
- ROMANOVA, L. S.
BASAL METABOLISM AND EXTERNAL RESPIRATION IN
CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM
CONGENITAL HEART DEFECTS
N65-17794
LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA
N65-17814
- ROMANTSEV, E. F.
ROLE OF AMINOPHENONES IN RADIOPROTECTIVE EFFECTION
HEMOGLOBIN IN RATS
A65-80538
- ROMBA, J. J.
ANIMAL STUDY OF HEARING SENSITIVITY AND PATTERNS
N65-22296
- ROMNEY, E. M.
CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL
TID-20741
N65-34316
- RONSVALLI, L. J.
RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600
N65-22094
- ROOT, M.
INFLUENCE OF VARIOUS CHEMICAL COMPOUNDS ON
RADIATION LETHALITY IN MICE
N65-19214
- ROOT, R. T.
VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND
BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING
A65-81581
- ROSADINI, G.
EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS
A65-82276
- ROSATI, A.
ELECTROMECHANICAL CIRCUIT INPUT UNIT FOR IBM 024
PRINTING CARD PUNCH APPARATUS
ISS-64/39
N65-19607
- ROSE, D. E.
ACOUSTICALLY EVOKED RESPONSE TO CESSATION OF
STIMULUS
A65-81416
- ROSE, H. W.
SPACECRAFT MATERIAL TOXIC EFFECTS ON MAN AND GREEN
PLANTS AND BIOLOGICAL PRODUCT EFFECTS ON MATERIALS
A65-22752
- ROSE, R. E.
CONTINUOUS PARAMETER OPTIMIZATION TECHNIQUES
APPLIED TO SYNTHESIS OF MODEL OF HUMAN OPERATORS
IN SIMPLE TWO-AXIS MANUAL CONTROL SYSTEM
A65-35474
TECHNIQUES FOR PARAMETER DETERMINATION IN
MATHEMATICAL MODELS OF HUMAN PILOT
NASA-CR-143
N65-14848
- ROSENBERG, B.
PROPERTIES OF CHARGE CARRIERS IN ELECTRICAL
CONDUCTIVITY OF SOLID STATE PROTEINS
AD-614440
N65-25850
- ROSENBERG, E.
CYTOSINE, ADENINE, GUANINE, THYMINE AND URACIL
DETECTION IN CORE SAMPLES FROM EXPERIMENTAL
MOHOLE
A65-13171
TEMPERATURE EFFECT ON DECOMPOSITION AND
PRESERVATION OF PURINE AND PYRIMIDINE BASES
A65-80630
- ROSENBERG, S. D.
OXYGEN EXTRACTION FROM LUNAR METALLIC SILICATES BY
REDUCTION WITH METHANE IN CYCLIC CHEMICAL PROCESS
A65-34269
- ROSENHECK, A. J.
COMMUNICATIONS AND COMFORT TOLERANCE OF MODEL
HELMETS
CLD-1720
N65-19423
- ROSENMAN, R. H.
PORTABLE INSTRUMENT THAT MEASURES TOTAL TIME HEART
BEATS IN 24-HOUR INTERVAL APPLIED TO STUDY OF
CLINICAL CORONARY ARTERY DISEASE
A65-22904

- ROSENTHWIEG, J.
THRESHOLDS IN AUDITION, BALANCE, KINESTHESIA,
PRESSURE, AND VISION RELATED TO MOTOR SKILL
A65-81686
- ROSHCHINA, T. A.
TOXIC EFFECTS OF CHROMIUM CARBIDE AND BORIDE DUST
ON WHITE RATS
N65-11460
- ROSKAMM, H.
CARDIOVASCULAR FUNCTION ASSESSMENT BASED ON
CALCULATION OF RATIO BETWEEN MAXIMUM OXYGEN UPTAKE
AND HEART VOLUME
A65-80693
- ROSOMOFF, H. L.
SURVIVAL OF DOGS WITH BRAIN INJURY BY FREEZING AS
AFFECTED BY HYPOTHERMIA
A65-82291
- ROSS, J.
ROLE OF DIMINISHED OXYGEN TENSION IN FUNCTIONAL
HYPEREMIA OF SKELETAL MUSCLE OF DOG
A65-80610
- ROSS, J. C.
SECONDARY VENTILATORY RESPONSE TO EXERCISE AS
MODIFIED BY PURE OXYGEN, AMMONIUM CHLORIDE,
AMINOPHYLLINE AND SODIUM BICARBONATE, COMPOUNDS
WHICH ALTER CEREBRAL BLOOD FLOW
A65-80674
- CHANGES IN PULMONARY DIFFUSION CAPACITY AND
PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE
PRESSURE BREATHING IN MAN
A65-82099
- ROSS, J. J.
NEUROLOGICAL FINDINGS AFTER PROLONGED SLEEP
DEPRIVATION
A65-81021
- ROSS, M.
DISTRIBUTION OF ICE IN FROZEN INTERNAL ORGANS,
LIMBS, AND SKIN OF FROGS AND MICE
AAL-TDR-63-28
N65-27561
- ROSS, M. A.
FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE
A65-81099
- ROSS, S.
DRUGS AND PLACEBOS - EFFECTS OF INSTRUCTIONS ON
PERFORMANCE AND MOOD UNDER AMPHETAMINE SULPHATE
AND CHLORAL HYDRATE WITH YOUNG ADULT MALE
A65-80448
- VALIDATION OF SUBJECTIVE SCALES FOR LOUDNESS AND
BRIGHTNESS BY MEANS OF CROSS MODALITY MATCHING
A65-81581
- ROSS, W. D.
STEP-TEST FOR INDUCING MAXIMAL WORK FOR
DETERMINING OXYGEN CONSUMPTION
A65-81552
- MAXIMUM OXYGEN UPTAKE IN MIDDLE-AGED MALES DURING
PHYSICAL EXERCISE
A65-82053
- ROSSANIGO, F.
APPARATUS FOR COLLECTING BLOOD SAMPLES FROM
SUBJECTS DURING CENTRIFUGAL ACCELERATION
A65-81443
- ROSSI, A. M.
BUTTON-PRESSING FOR TIME-OFF REWARD DURING SENSORY
DEPRIVATION AS FUNCTION OF RELATIVE COMFORT
A65-80253
- REACTIONS OF EXTROVERTS AND INTROVERTS TO SENSORY
DEPRIVATION
A65-81654
- ROSSI, G. F.
EXCITABILITY CYCLE OF VISUAL CORTEX DURING SLEEP
AND WAKEFULNESS IN CATS
A65-82276
- ROSSI, H. H.
RADIOLOGICAL PHYSICS, BIOPHYSICS, AND RADIOBIOLOGY
NYO-2740-2
N65-28021
- ROSVOLD, H. E.
BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES
A65-81156
- PSYCHOPHYSIOLOGICAL EFFICIENCY OF MACACUS MONKEY
AFTER CORTEX ABLATION
NASA-TT-F-9178
N65-11451
- ROTH, N. G.
HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED
SPACE FLIGHTS
N65-18576
- ROTH, R. E.
RADIOSENSITIVITY IN MAN - THERAPEUTIC AND
ACCIDENTAL EXPOSURE
N65-25667
- ROTHER, V. E.
DYNAMIC CRASH TESTS OF FIXED-WING AND ROTARY-WING
AIRCRAFT AS RELATED TO SEAT DESIGN
A65-81833
- ROTHFELD, E. L.
TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFARCTION
A65-80588
- ROTHLIN, M. E.
CIRCULATORY TIME AND HEART MINUTE VOLUME IN
HEALTHY YOUNG MEN DURING PHYSICAL STRESS
A65-80694
- ROTONDO, G.
ANATOMICAL AND PHYSIOPATHOLOGICAL EFFECTS
OF EXPLOSIVE DECOMPRESSION WITH
ETIOPATHOGENIC INTERPRETATION - REVIEW
A65-80218
- ROTTE, T.
EFFECT OF LASER RADIATION ON TYROSINASE ACTIVITY
IN HUMAN SKIN
A65-81098
- ROUNDS, D. E.
ALTERATION OF SURFACTANT SUBSTANCE IN LUNG IN
OXYGEN POISONING IN RABBITS
A65-82100
- ROVELLI, E.
MOMOGRAPHIC DETERMINATION OF MAXIMAL OXYGEN
CONSUMPTION IN MAN DURING EXERCISE
A65-81920
- ROWE, P. C.
ANALYSIS OF EXTERNAL RADIATION EXPOSURE -
COSMETRY AND NUCLEAR REACTOR SAFETY
AEC-2239
N65-27447
- ROWE, R.
PERSONALITY CORRELATES OF PHYSIOLOGICAL
REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN
A65-81248
- ROWELL, L. B.
ANALYSIS AND ASSESSMENT OF VARIOUS CARDIOVASCULAR
FUNCTION TEST
A65-80556
- HEPATIC BLOOD FLOW, OXYGEN INTAKE, HEART RATE,
BLOOD LACTATE, AND RECTAL TEMPERATURE OF
UNACCLIMATIZED MEN EXERCISING IN HOT
ENVIRONMENTS
A65-81135
- ROWLANDS, G. F.
DYNAMIC TESTING OF AIRCRAFT OXYGEN BREATHING
SYSTEMS USING ELECTRICAL ANALOG
A65-36822
- TESTING DYNAMIC PERFORMANCE OF AIRCREW BREATHING
EQUIPMENT
A65-82362
- ROXBURGH, H. L.
OXYGEN FOR CIVIL AIRCREW FOLLOWING LOSS OF CABIN
PRESSURIZATION
FPRC/MEMO-205
N65-12641
- ROYTRUB, B. A.
EXCITATION STATE OF CENTRAL NERVOUS SYSTEM
REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD
SERUM PROTEINS - ELECTROKINETICS
N65-25615
- ROZENBLAT, V. V.
TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART
RATE AND RESPIRATORY MOVEMENTS
A65-80714
- RADIO TELEMETRY IN PHYSIOLOGY AND MEDICINE -

- AEROSPACE MEDICINE
JPRS-30528 N65-25540
- ROZENBLYUM, D. YE.
PATTERNS IN PHYSIOLOGICAL EFFECTS OF ACCELERATION
ON ORGANISM N65-13754
- ROZENSHTRAUKH, L. S.
X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R. N65-30221
- ROZHDESTVENSKII, V. I.
AUTOMATIC MAINTENANCE OF DEFINITE RANGE OF CARBON
DIOXIDE CONCENTRATION IN PHOTOSYNTHESIS CHAMBERS A65-80942
- ROZHNOV, V. A.
COURSE OF PSYCHOMOTOR AND MANIC DEPRESSIVE
PSYCHOSIS UNDER HIGH MOUNTAIN CONDITIONS N65-17840
- ROZIER, J.
CORTICAL ACTIVITY OF RAT DURING VARIOUS STAGES
OF ROCKET FLIGHT A65-81848
- RUBIN, A.
EFFICIENCY AND STABILITY OF COMPLEX CLOSED
ECOLOGICAL SYSTEM OPERATING ON SOLAR ENERGY AND
WITH INTERNAL FEEDBACKS EVALUATED FROM
THERMODYNAMIC AND KINETIC VIEWPOINTS A65-36236
- RUBIN, A. B.
BEHAVIOR OF CHEMICAL REACTIONS INVOLVED IN
SEQUENTIAL TRANSPORT OF ELECTRONS DURING
PHOTOSYNTHESIS N65-32659
- CLOSED ECOLOGICAL SYSTEMS FOR SUPPORTING LIFE
DURING PROLONGED SPACE FLIGHTS - CONSTRUCTION
PROBLEMS
NASA-TT-F-9590 N65-35784
- RUBINO, G. F.
HEMODYNAMIC CHANGES DURING ACUTE
CARBON MONOXIDE POISONING IN DOGS A65-80277
- RUCCIA, D.
FATIGUE AND WORK CAPACITY OF SKELETAL MUSCLE
AFTER PHYSICAL EXERCISE TRAINING IN OLD SUBJECTS A65-80991
- RUCHKIN, D. S.
MATHEMATICAL ANALYSIS OF AVERAGE RESPONSE
COMPUTATION BASED ON APERIODIC STIMULI A65-81690
- RUDDOCK, K. H.
FOVEAL AND PARAFOVEAL COLOR VISION A65-82264
- RUDNEVA, N. A.
VOSTOK V AND VI SPACE FLIGHT EXPOSURE EFFECT ON
VARIATION IN NUMBER OF CELLS WITH CHROMOSOME
ALTERATIONS IN EMBRYONIC ROOTS OF HIGHER PLANTS A65-35817
- EFFECT OF SPACE FLIGHT CONDITIONS IN SPACECRAFTS
VOSTOK-5 AND VOSTOK-6 ON CHROMOSOMES OF
PRIMARY ROOTS IN EMBRYO OF SEEDS OF SOME HIGHER
PLANTS A65-81596
- SPACE FLIGHT EFFECT ON CHROMOSOMES OF HIGHER
PLANTS - BIOLOGICAL EFFECTS N65-34942
- RUDDOV, M. H.
PILOT PERFORMANCE TESTS TO ALIGN AIRCRAFT WITH
TARGET
AMRL-TR-64-87 N65-13998
- RUER, D.
DYNAMICS OF HUMAN PILOT IN CONTROL SYSTEM -
QUASI-LINEAR OPERATOR MODELS
AFFDL-TR-65-15 N65-34518
- RUFF, G. E.
AEROSPACE MEDICINE AND PROBLEMS IN MANNED SPACE
FLIGHT A65-80935
- RUFF, S.
MENTAL AND PHYSIOLOGICAL DEPRESSION OF AIRCREW
PERSONNEL ON OVERSEAS FLIGHTS DUE TO CIRCULATORY
PARAMETER VARIATIONS CAUSED BY VAGOTONIA A65-26173
- GAS BUBBLE FORMATION IN ORGANISMS IN EXPLOSIVE
DECOMPRESSION A65-81272
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
ALTERATIONS DURING OVERSEAS FLIGHTS A65-81296
- RUFFIE, J.
BLOOD-TYPING ROLE IN STUDYING ARID ZONE
POPULATIONS A65-80904
- RUGH, R.
AET /S, 2-AMINOETHYLISOTHIUREA-DI-HBR/ AS
RADIOPROTECTIVE AGENT OF UNFERTILIZED EGG OF SEA
URCHIN, ARABACIA PUNCTULATA, EXPOSED IN GAMMA RAYS A65-80741
- RUHL, B. B.
PASTEURIZATION OF FRUITS BY IRRADIATION FOR
REDUCING SPOILAGE AND EXTENDING MARKET LIFE -
FOOD TECHNOLOGY
TID-21710 N65-27607
- RUIZ, A. N.
BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS A65-81795
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG A65-81797
- STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81799
- PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS A65-81800
- DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS A65-81838
- GLUTATHIONEMIA - BLOOD LEVELS OF GLUTATHIONE
DURING OXYGEN BREATHING, HYPOXIA AND HYPOTHERMIA
IN DOGS A65-81840
- EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- GLUTATHIONEMIA INDEX OF HYPOXIA USED IN AIRCRAFT
ACCIDENT INVESTIGATION A65-81846
- RUMBAUGH, D. M.
LEARNING SET PERFORMANCE OF SQUIRREL MONKEYS AFTER
RAPID DECOMPRESSION TO VACUUM, NOTING PHYSICAL
EFFECT A65-16554
- RAPID DECOMPRESSION OF PRIMATES TO NEAR VACUUM
CONDITIONS FOR RECOVERY OF ABILITY TO PERFORM
COMPLEX TASKS PRIOR TO DECOMPRESSION
SAM-TDR-64-42 N65-16878
- RUOCCO, J. N.
EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO
MAKE CARRIER APPROACHES
NAVTRADEVEN-1432-1 N65-31080
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVEN-1432-1-S1 N65-35542
- RUPPE, E. A.
INTRACELLULAR SUBSTANCES IN BLOOD LEUKOCYTES,
AND BONE MARROW OF RABBITS EXPOSED TO RADIATION N65-21211
- RUSHTON, W. A. H.
CHEMICAL AND PSYCHOPHYSICAL FACTORS UNDERLYING
PERCEPTION OF COLOR AND COLOR BLINDNESS A65-26943

- SPECIFICITY OF CONE INTERACTION IN AFTER-FLASH EFFECT A65-80805
- RUSIS, G.**
AIR TO GROUND TARGET RECOGNITION - TELEVISION CAMERA LENS FIELD OF VIEW EFFECT T5-133/3111 N65-22869
AIR TO GROUND TARGET RECOGNITION - AIRCRAFT SPEED AND TIME-TO-GO INFORMATION EFFECT T5-134/3111 N65-22870
- RUSLING, D. H.**
IMPORTANCE OF SPACE RADIATION SHIELDING WEIGHT - LIFE SUPPORT SYSTEMS N65-34620
- RUSS, C.**
EFFECT OF HYPOTHERMIA ON MYOCARDIAL METABOLISM AND FUNCTION IN DOGS A65-81172
METABOLIC AND FUNCTIONAL CHANGES IN HEART RATE DURING PROLONGED HYPOTHERMIA AAL-TDR-64-4 N65-11890
- RUSSELL, I. J.**
RADIOBIOLOGICAL RESULTS OF DOSE DISTRIBUTION FROM SOLAR FLARE RADIATION - RADIATION EFFECTS N65-34584
- RUSSELL, W. J.**
QUANTITATIVE DETERMINATION OF ANTIGEN CONCENTRATION BY RELATING IMMUNOELECTROPHORETIC PRECIPITIN ARC POSITION TO ANTIGEN AND ANTIBODY ORIGINS SAM-TR-64-92 N65-34417
- RUSSKIKH, V. N.**
PATHOLOGICAL CHANGES IN ANIMAL ORGANISM DURING INHALATION OF FUMES EMANATING FROM SPECIMENS OF FIBER GLASS REINFORCED PLASTIC N65-28293
- RUST, J. H.**
RADIATION ACCIDENTS AND EMERGENCIES IN MEDICINE, RESEARCH AND INDUSTRY A65-81259
ABSORPTION AND RETENTION OF INGESTED RADIOACTIVE CESIUM AND STRONTIUM IN MAN FROM SIMULATED AND REAL PARTICULATE FALLOUT ACRH-102 N65-13845
- RUTISHAUSER, W. J.**
TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN THORAX OF ANESTHETIZED DOGS N65-17306
BODY POSITION EFFECT ON END EXPIRATORY PLEURAL PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL THORACIC REGIONS AMRL-TR-64-133 N65-22476
- RUTKOWSKI, M. D.**
ZERO GRAVITY ELECTROLYSIS CELL FOR CONTROL OF SPACE VEHICLE CABIN ATMOSPHERES N65-18381
- RUTSTEIN, H. R.**
FLIGHT SURGEONS MEDICAL EQUIPMENT A65-80236
- RUZIC, N. P.**
EXTRATERRESTRIAL LIFE CONSIDERING MOON AS HOSPITAL, MOONSHIPS TO MARS AND VENUS, DETECTING AND COMMUNICATING WITH EXTRATERRESTRIALS, ETC A65-18236
- RYABCHENKO, N. I.**
MELTING POINT CURVES FOR DETERMINING EFFECTS OF IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS IN DNA MACROMOLECULE N65-26379
- RYABOVA, E. Z.**
ORGANIC COMPOUNDS FOR ACCELERATING ELIMINATION OF CESIUM 134 FROM ANIMALS JPRS-27544 N65-11249
- RYAN, E. D.**
COMPETITIVE AND NONCOMPETITIVE PERFORMANCE IN RELATION TO ACHIEVEMENT MOTIVE AND MANIFEST ANXIETY A65-82176
- RYBAKOV, N. I.**
VOSTOK III AND IV SPACE FLIGHT RADIATION EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI K-12 /LAMBDA/ SUSPENSIONS A65-35818
BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC BACTERIA A65-35819
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4 A65-81620
STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6 A65-81624
BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS N65-13682
SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION N65-34943
BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI SPACECRAFTS N65-34944
- RYBAKOVA, K. D.**
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4 A65-81620
BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS N65-13682
SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- RYBALKO, A. I.**
ELECTRONIC EQUIPMENT FOR ELECTRICAL STUDY OF HUMAN PHYSIOLOGY JPRS-28225 N65-14261
- RYZHOV, N. I.**
RADIATION HAZARDS AND PROTECTION DURING PROLONGED SPACE FLIGHTS A65-29943
RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS NASA-TT-F-9429 N65-27715
- RYZL, M.**
MENTAL TELEPATHY AS MEANS FOR TELECOMMUNICATION FTD-TT-65-366/1&4 N65-30448

S

- SAAKOV, B. A.**
THERMAL TRAUMA EFFECT AND PATHOGENESIS OF BURN SHOCK, HYPERTHERMIA, AND HYPOTHERMIA - BURN INJURY PATHOLOGY JPRS-29494 N65-20833
- SACHKOV, V. N.**
INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS NASA-TT-F-9546 N65-32754
- SACHS, M. B.**
RESPONSES TO ACOUSTIC STIMULI FROM FREQUENCY-SELECTIVE SINGLE UNITS IN EIGHTH NERVE OF GREEN FROG A65-15773

- SACKS, A. H.**
ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER
HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149
- SADCHIKOVA, M. N.**
CLINICAL SYNDROMES IN HUMANS UNDER EFFECTS OF
DIFFERENT RADIO-FREQUENCY BANDS
A65-81371
- EFFECT OF VARIOUS RADIO FREQUENCIES ON CLINICAL
SYNDROMES - MEDICINE
JPRS-29694 N65-21573
- SADILOVA, M. S.**
CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT
ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL
NERVOUS SYSTEM IN ALBINO RATS
A65-82243
- SADOFF, M.**
PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE
HIGH SPEED FLIGHT
NASA-TN-D-2793 N65-25925
- SADOVNIKOVA, L. V.**
ELECTROENCEPHALOGRAPHIC EXAMINATION OF PERFORMANCE
OF PERSONNEL DURING LONG FLIGHTS
N65-13756
- SAGALOVICH, B. M.**
PASSAGE OF AUDIBLE ULTRASONIC VIBRATIONS THROUGH
HUMAN SKULL BONES
A65-80802
- SAGAN, C.**
ORIGIN AND EVOLUTION OF LIFE PRIOR TO TWO BILLION
YEARS AGO IN PRESENCE OF WEAK MAGNETIC FIELD,
NOTING POSSIBLE ENHANCEMENT BY SOLAR WIND
A65-23842
- LEVEL OF SPACECRAFT STERILITY REQUIRED TO AVOID
BIOLOGICAL CONTAMINATION OF MARS
A65-24224
- PRIMORDIAL ULTRAVIOLET PRODUCTION OF NUCLEOSIDE
PHOSPHATES AND SIMILAR LABORATORY SYNTHESIS
A65-80476
- PROBLEMS REGARDING CHEMICAL COMPOSITION AND
PHYSICAL PROPERTY OF VENUS ATMOSPHERE
A65-80868
- EVOLUTION OF LIFE IN RELATION TO DEVELOPMENT OF
EARTH CORE
A65-81234
- SAIKI, H.**
FATAL PHYSIOLOGICAL EFFECTS IN MICE DURING LONG
EXPOSURE TO HIGHLY OXYGENATED ENVIRONMENT
A65-14384
- COMBINED EFFECTS OF OXYGEN TOXICITY AND HIGH
GRAVITY STRESSES ON RETINAL DAMAGE IN ANIMALS
A65-14386
- RESPIRATORY GASEOUS EXCHANGE UNDER HIGH OXYGEN
CONCENTRATION IN GUINEA PIGS, NOTING BODY WEIGHT
AND OXYGEN CONSUMPTION
A65-18842
- RESPIRATORY SYSTEM RESPONSE IN GUINEA PIG TO
BREATHING 100% OXYGEN AT 1 ATMOSPHERE PRESSURE
A65-80554
- SAITANOV, A. D.**
CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS
NOISE
T-411-R N65-15577
- SAITO, I.**
G FORCE EFFECT ON RECTAL TEMPERATURES OF RATS
A65-31345
- BODY TEMPERATURE OF RAT AS AFFECTED BY POSITIVE,
NEGATIVE, AND TRANSVERSE ACCELERATION
A65-81667
- SAITO, T.**
CASE HISTORY OF PILOT HAVING SYNCOPE DURING
INSTRUMENT FLYING
A65-80551
- SAKABE, M.**
COMPARISON OF TWO METHODS FOR MEASURING AUDITORY
ADAPTATION BY MEANS OF BEKESY AUDIOMETER
A65-80199
- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE
MODULATED TONES
A65-80914
- SAKAKURA, H.**
EFFECT OF SLEEP DEPRIVATION ON PARADOXICAL PHASE
OF SLEEP IN CATS
A65-81710
- SAKOVICH, V. A.**
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- SAKSONOV, P. P.**
CRITICAL ACCELERATION ENDURANCE INCREASE OF
IRRADIATED MICE, NOTING SIGNIFICANCE FOR HUMANS
A65-18374
- BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE
A65-25098
- HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- BIOLOGICAL EVALUATION OF RADIATION HAZARDS OF
MANNED SPACE FLIGHTS TO MOON FROM SOVIET
EXPERIMENTAL STUDIES AND DATA
A65-33034
- VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS
A65-35818
- CHANGES IN ANIMAL ORGANISM RESPONSE TO PHYSICAL
INSULT AFTER EXPERIMENTAL EXPOSURE TO HEAVY
PARTICLE AND RADIATION EXPOSURE SIMILAR TO
POSSIBLE CONDITIONS DURING SPACE FLIGHT
A65-80439
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS
A65-80979
- DEGREE OF ACCELERATION TOLERANCE IN MICE AFTER
IRRADIATION
A65-80985
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4
A65-81620
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY
A65-81989
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE
N65-10065
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE
FLIGHT
N65-13632
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
VOSTOK SPACECRAFT
N65-13657
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS
N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- REACTIVITY STATE OF ANIMAL ORGANISM SUBJECTED TO
TRANSVERSE ACCELERATION, WEIGHTLESSNESS, COSMIC
RADIATION, AND PHYSICAL LOAD IN SPACE FLIGHT
N65-16404
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO

- RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237
- PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE
AND SPACE RADIATION HAZARDS
JPRS-29656 N65-21804
- TOLERANCE OF ACCELERATIONS OF CRITICAL MAGNITUDE
IN IRRADIATED ORGANISM - ANIMAL STUDY
N65-22724
- BIOLOGICAL EVALUATION OF DANGER FROM COSMIC
RADIATION DURING MANNED LUNAR SPACE FLIGHTS
N65-28288
- COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER
N65-31039
- BIOLOGICAL EVALUATION OF COSMIC RADIATION FOR
EARTH TO MOON MANNED SPACE FLIGHTS
NASA-TT-F-9458 N65-32265
- SALA, O.**
DC RESTING POTENTIALS OF CAT AS AFFECTED BY
ELECTRIC AND THERMIC STIMULATION OF EFFERENT
VESTIBULAR SYSTEM AND ADMINISTRATION OF STRYCHNINE
A65-81379
- MODIFICATIONS OF CONTINUING AMPULLAR POTENTIALS
INDUCED BY STIMULATION OF EFFERENT VESTIBULAR
SYSTEM
A65-81615
- ELECTRIC STIMULATION OF VESTIBULAR EFFERENT SYSTEM
AS RELATED TO NERVE ACTIVITY AND DC RESTING
POTENTIAL
A65-82140
- SALATHE, A.**
CEREBRAL ANEMIA AND BLOOD CONGESTION PRODUCED BY
VERTICAL POSITION OR GYRATION - BLOOD
CIRCULATION
NASA-TT-F-9715 N65-36759
- SALATSKAYA, M. I.**
INSTALLATION OF BIO-UNITS IN VOSTOK III AND
VOSTOK IV SPACECRAFTS TO EVALUATE EFFECT OF
COSMIC RADIATION AND FLIGHT FACTORS ON
BIOLOGICAL OBJECTS AND MEASURE RADIATION DOSE
N65-24488
- SALCHENKO, I. N.**
ADVANTAGE OF ONE-LEAD ELECTROMYOGRAM AS
DEMONSTRATED IN MAN AND FROG
A65-81880
- SALISBURY, F. B.**
EXTRATERRESTRIAL LIFE, REVIEWING EVIDENCE IN
METEORITE AND EXAMINING MEANING OF MARKINGS ON
MARS
A65-10728
- EXTRATERRESTRIAL LIFE IN SOLAR SYSTEM
N65-16608
- SALISBURY, P. F.**
INDIRECT BLOOD PRESSURE MONITORING
A65-81053
- SALMANOVICH, V. S.**
RELATION OF LENGTH OF CARDIAC CYCLE PHASES AND
RATE OF PRESSURE CHANGE IN RIGHT AND LEFT
VENTRICLES
NASA-TT-F-9384 N65-27686
- SALMON, M.**
SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS
GUACAMAIA AND S. LOELESTIUS
A65-80815
- SALTER, L. P.**
STRATOSPHERIC DISTRIBUTION OF RADIOACTIVE DEBRIS
FROM SYSTEM FOR NUCLEAR AUXILIARY POWER- 9 A
/ SNAP-9A/ BY PLUTONIUM ISOTOPE MEASUREMENTS
N65-22801
- SALTHE, S. N.**
HYBRIDIZATION OF LACTIC DEHYDROGENASE IN VITRO AND
IN LIVE ORGANISMS
A65-32614
- SALTIN, B.**
INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS
A65-80673
- SALTZMAN, H. A.**
RETINAL ARTERIAL OCCLUSIVE DISEASE AS AFFECTED BY
HYPERBARIC OXYGENATION
A65-80757
- RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION
A65-80883
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION
A65-81204
- CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY
A65-81868
- SALVADEO, A.**
ADRENAL CORTX FUNCTION IN SUBJECTS WITH BENZENE
POISONING
A65-82195
- SALZANO, J.**
CARDIOPULMONARY EFFECTS OF CONTINUOUS PRESSURE
BREATHING IN HYPOTHERMIC DOGS
A65-81608
- SALZMAN, L. F.**
AFTEREFFECTS OF DELAYED AUDITORY FEEDBACK ON
SPEECH.
A65-81566
- SAMOILOFF, V.**
OXIDATIVE ENZYMES IN TISSUES OF DOG AS AFFECTED BY
ACCLIMATIZATION TO MUSCULAR EXERCISE IN HOT
ENVIRONMENT
A65-80705
- SAMOKHVALOVA, N. S.**
EFFECT OF SPACE FLIGHT FACTORS ON SEEDS OF SPINDLE
TREE /EVOKYMUS EUROPAEA/ CARRIED ON BOARD OF
SPACECRAFT VOSTOK-5
A65-81999
- SAMPSON, H.**
DEPRIVATION OF DREAMING SLEEP BY TWO METHODS
RESULTING IN COMPENSATORY RAPID EYE MOVEMENT
A65-82024
- SAMPSON, P. B.**
DISPLAY INTEGRATION LEVEL AND COMPENSATORY
TRACKING PERFORMANCE
A65-80565
- SAMSONOVA, V. G.**
PULSATING LIGHT SOURCE EFFECT ON ELECTRIC ACTIVITY
OF BRAIN
RSIC-298 N65-20526
- SAMUELOFF, S.**
DIURNAL AND SEASONAL METABOLIC CHANGES IN
ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS
LIVING IN HOT CLIMATE
A65-80960
- SAN GIULIANO, R. A.**
TIME SHARING AND BODY POSITIONAL DEMANDS-EFFECTS
ON CUTANEOUS INFORMATION PROCESSING
A65-81645
- SANCETTA, S. M.**
EFFECT OF DRY HEAT ON CEREBRAL BLOOD CIRCULATION
IN MAN
A65-81691
- SANCHO, P. M.**
ASTROPHYSICAL, CLIMATOLOGICAL, AND BIOLOGICAL
ASPECTS AND HISTORY FUTURE PROSPECTS OF LUNAR
EXPLORATION
A65-80887
- SANDERS, A. F.**
SELECTIVE STRATEGIES IN ASSIMILATION
OF SUCCESSIVELY PRESENTED SIGNALS
A65-80339
- SANDERS, A. P.**
HYPOXIC EFFECTS ON RESPIRATION AND PROTEIN
SYNTHESIS IN RAT TISSUES
A65-81473
- SANDERS, L. W.**
LEAD EXCRETION AND HEALTH OF ANTIKNOCK BLENTERS
A65-81482
- SANDLER, H.**
PHYSIOLOGICAL EFFECT OF GRAVITATIONAL ACCELERATION
IN PULMONARY AND CARDIOVASCULAR SYSTEMS OF DOGS
NADC-ML-6413 N65-18881

- SANDO, I.
MORPHOLOGY OF SENSORY CELLS IN ORGAN OF CORTI OF
MAN A65-81503
- SANOTSKIY, I. V.
DISCUSSION OF INDUSTRIAL TOXICOLOGY PROBLEMS,
SAFETY, HYGIENE, AND BIOLOGICAL EFFECTS N65-28298
- SANSEVERINO, E. R.
EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON
BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER
CEREBELLAR LOBES IN CATS A65-81544
- SANTELLA, R.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN
FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY,
AND HUMAN FACTORS YIELDING PRACTICAL APPROACH
FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM
RTD-TDR-63-4092 N65-36724
- SANTHANAM, K.
PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON
TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
AEET/HP/TH-21 N65-31022
- SANTOS, J. F.
INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND
EXTENT OF AUTOKINETIC MOVEMENT A65-81750
- SANTSCHI, W. R.
INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- SAPEZHINSKIY, I. I.
RADIOPROTECTIVE COMPOUNDS EFFECT ON PERSISTENT
AFTERGLOW OF U V-IRRADIATED SERUM ALBUMIN
SOLUTIONS A65-30481
- EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON
PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF
SERUM ALBUMIN N65-31040
- SAPIRA, J. D.
RESTRAINT AND EFFECT ON FREE FATTY ACID
MOBILIZATION IN RATS A65-81183
- SARAJAS, H. S. S.
HYPOTHALAMIC-HYPOPHYSAL NEUROSECRETION IN MICE
UNDERGOING STARVATION WITH OR WITHOUT WATER
DEPRIVATION A65-81288
- SARATIKOV, A. S.
EFFECT OF CAMPHOR ON CARBOHYDRATE-PHOSPHORUS AND
OXYDATIVE PROCESSES OF MYOCARDIUM DURING HYPOXIA
IN RATS A65-80628
- SARETT, H. P.
FORMULA DIETS - WEIGHT CONTROL, PEPTIC ULCER,
INFANT, AND DIETS FOR METABOLIC STUDIES N65-18599
- SARGENT, F., II
PHYSIOLOGICAL REGULATION IN MOIST HEAT BY YOUNG
AMERICAN NEGRO AND WHITE MALES A65-80690
- DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899
- HUMAN HEALTH AND DISEASE AS RELATED TO
ENVIRONMENT A65-80956
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION,
AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE
TO HOT ENVIRONMENTS A65-80962
- VOLUNTARY DEHYDRATION IN MAN AND EFFECTS OF HEAT,
COLD, EXERCISE, AND WATER DEPLETION A65-81634
- SARIN, R. C.
NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON
DIOXIDE POISONING TREATED WITH ETHOPROPAZINE
A65-80822
- SARKISOV, S. A.
STRUCTURE AND FUNCTION OF CENTRAL NERVOUS SYSTEM
- AND MECHANISMS OF BRAIN ACTIVITY
JPRS-27947 N65-13398
- SARKISYAN, A. A.
DURATION OF CLINICAL DEATH AND HYPOXIA N65-17804
- SAROL, Z.
USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW A65-80319
- SARTORIS, A.
COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING
SOUND STIMULATION AND HYPOTHERMIA A65-82306
- SASAKI, E. H.
TRANSIENT WEIGHTLESSNESS EFFECTS ON VISUAL ACUITY
AND BINOCULAR DEPTH PERCEPTION IN HUMANS A65-22908
- SASAKI, H.
UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION A65-80334
- SASNER, J. J.
POLAROGRAPHIC TECHNIQUE FOR MEASUREMENT AND
EXPRESSION OF OXYHEMOGLOBIN DISSOCIATION CURVES
SAM-TR-64-75 N65-23589
- SATALOFF, J.
TEMPORARY AND PERMANENT HEARING LOSS DURING
PROLONGED EXPOSURE TO NOISE A65-80660
- SATHER, B. T.
ELECTROLYTE BALANCE STUDIES ON RATS MAINTAINED IN
METABOLISM CAGES - BODY FLUID VOLUME AND
ELECTROLYTE DERANGEMENTS BY FASTING IN COLD
NASA-CR-62298 N65-22131
- SATINOFF, E.
IMPAIRED RECOVERY FROM HYPOTHERMIA INDUCED BY
HYPOXIA IN GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, AFTER HYPOTHALAMIC LESIONS
A65-80871
- SAUGSTAD, P.
TEST OBJECT SIZE AND EXPOSURE TIME AS RELATED TO
TRAINING OF PERIPHERAL VISUAL ACUITY A65-80997
- SAUNDERS, R. A.
RECOVERY OF TRACE ORGANIC CONTAMINANTS IN
SEALAB I ATMOSPHERE, SEPARATION WITH GAS
CHROMATOGRAPH, AND IDENTIFICATION N65-31484
- SAVCHENKO, O. S.
WHITE RAT RESPIRATION AFTER PROLONGED EXPOSURE TO
RADIAL ACCELERATION N65-13670
- SAVCHENKO, YE. D.
IONIZING RADIATION EFFECTS ON MAN AND ANIMALS -
RADIOBIOLOGY AND PATHOLOGY N65-30218
- SAVENKO, I. A.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- SAVICH, A. V.
IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- SAVIN, B. M.
EFFECT OF AIR NITROGEN REPLACEMENT BY HELIUM ON
CHICK EMBRYO DEVELOPMENT AND METABOLISM A65-80752
- GROWTH AND LIFE SUPPORT OF ANIMALS IN HELIUM-

- OXYGEN ATMOSPHERE N65-13649
- ROLE OF NERVOUS SYSTEM IN REACTION OF ORGANISM TO ACCELERATIONS N65-13755
- OXYGEN STARVATION AND ACCELERATION EFFECT ON CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS IN BRAIN TISSUE JPRS-28630 N65-16136
- SAVINOV, G. V.
MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN NEURAL PROCESSES OF EXCITATION AND INHIBITION N65-14579
- SAWICKA, A.
VIBRATION EFFECT ON CENTRAL NERVOUS SYSTEM AND ITS CATECHOLAMINE MEDIATORS IN RATS A65-80233
- EFFECT OF VIBRATION ON HISTOCHEMICAL STATE OF ADRENAL GLANDS AND CEREBRAL TISSUES IN RATS A65-81859
- SAZONOV, P.
HUMAN PROTECTION FOR IONIZING RADIATION AND EFFECTIVENESS AND TOXICITY OF RADIOPROTECTIVE AGENTS FTD-TT-64-948/1 N65-22069
- SAZONOV, S. IA.
EFFECT OF OXYGEN AND CARBON DIOXIDE PARTIAL PRESSURE IN RETINAL BLOOD VESSELS ON INTRAOCULAR TENSION IN DOGS AND CATS A65-82271
- SCAND, A.
AERONAUTICAL APPLICATION OF RESPIRATORY AND CARDIOVASCULAR FUNCTIONAL EVALUATION TESTS A65-12883
- HUMAN LOCOMOTION IN SIMULATED LUNAR GRAVITY AND SURFACE A65-32792
- LOCOMOTION OF HUMANS UNDER SIMULATED LUNAR SURFACE AND GRAVITATIONAL CONDITIONS A65-81994
- PRESSURIZED SUIT FOR HIGH ALTITUDE AND SPACE FLIGHT NASA-TT-F-9257 N65-18180
- SCARIA, K. S.
DECREASE IN SKELETAL MUSCLES AND ENZYME ACTIVITY INCREASE AFTER COLD EXPOSURE IN RATS A65-82178
- SCHACHTER, J. S.
PERSONALITY CORRELATES OF PHYSIOLOGICAL REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN A65-81248
- SCHAEDELE, G. C.
RELATIVE MERITS OF STOCHASTIC AND NONSTATISTICAL METHODS OF COMPUTING PRIMARY IONIZATION DOSES - RADIATION DOSE CALCULATIONS N65-34633
- SCHAEFER, H. J.
ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION - LINEAR ENERGY TRANSFER SPECTRUM OF HETEROGENEOUS PROTON BEAM NASA-CR-51826 N65-16483
- ENERGY DISSIPATION CHARACTERISTICS IN TISSUE FOR IONIZING RADIATION IN SPACE NASA-CR-50471 N65-16484
- RADIATION EXPOSURE IN SOLAR PARTICLE BEAMS BEHIND VERY LOW SHIELDING - RADIATION PROTECTION OF SPACE SUIT NASA-CR-62198 N65-21724
- TISSUE DOSAGES FROM ALPHA PARTICLES AND HEAVY NUCLEI IN SOLAR PARTICLE BEAMS IN SPACE NASA-CR-64997 N65-33865
- LOCAL DOSE FROM PROTON AND ALPHA PARTICLE ENDERS BEHIND COMPLEX SHIELDING N65-34631
- SCHAEFER, A.
EYE MOVEMENT PATTERNS AS FUNCTION
- OF PREVIOUS TACHISTOSCOPIC PRACTICE A65-80247
- EYE-MOVEMENT PATTERNS IN SCANNING NUMERICAL DISPLAYS RELATED TO INFORMATION PROCESSING A65-81007
- SCHANTZ, E. J.
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID RESINS CHROMATOGRAPHY N65-22299
- SCHAPPE, R. H.
MOTION ELEMENT SYNTHESIS REASSESSED A65-80568
- SCHARF, B.
PSYCHOPHYSICAL MODEL OF LOUDNESS SUMMATION ACROSS FREQUENCY A65-80613
- SCHEDROVITSKIY, L. P.
INFORMATION ON TYPES OF EYE MOVEMENT IN EYE TRACKING SYSTEM STUDY N65-28096
- SCHNEINBERT, P.
CEREBRAL CARBOHYDRATE METABOLISM IN MAN A65-80816
- SCHENCK, P.
RESPIRATORY AND CIRCULATORY CHANGES AFTER EXPERIMENTAL FAT EMBOLISM IN DOGS A65-81688
- SCHER, S.
INCORPORATION OF 5-BROMOURACIL AND PLASTID MUTATION DURING REPLICATION OF PLASTID DETERMINANTS IN PRESENCE OF 5-BROMOURACIL AND SULPHANILAMIDE A65-31389
- REPEATED FREEZING AND THAWING OF CULTURES OF ESCHERICHIA COLI GROWN IN MINIMAL MEDIUM AND FROZEN WITHOUT CARBON SOURCE A65-32937
- SCHERRER, J.
WORK CAPACITY OF SYNERGIC MUSCULAR GROUP A65-82005
- SCHUEERMANN, W.
BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON SEEDS OF BARLEY AND LILUM REGALE A65-80843
- SCHEVILL, W. E.
SATELLITES AND HIGH FLYING AIRCRAFT TO STUDY CETACEANS AND OTHER LARGE MARINE ANIMALS - GCEANOGRAPHY N65-30369
- SCHIFFMAN, H. R.
VISUAL FIELD AND LETTER SPAN A65-81983
- SCHILLER, P. H.
PERCEPTUAL INTERFERENCE ASSESSED IN STUDY OF BACKWARD MASKING FOR LETTERS A65-80564
- DIFFERENCE IN PROCESS OF MASKING WITH BRIGHT LIGHT FLASH OR BY PATTERNS A65-80794
- FORWARD AND BACKWARD MASKING IN VISUAL PERCEPTION A65-82285
- SCHINDLER, F.
INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT BRAIN A65-80360
- SCHIRATZKI, H.
UPPER AIRWAY RESISTANCE IN NORMAL MAN DURING MOUTH BREATHING A65-81539
- SCHLESINGER, I. M.
VISUAL PATTERN DISCRIMINABILITY AS FUNCTION OF FIGURE COMPLEXITY A65-81664
- SCHLICKMAN, J. J.
PULSED LASER DOSIMETER THAT MEASURES DANGER LEVEL OF RADIATION OF DIRECT OR REFLECTED BEAMS AS SAFEGUARD TO EYE DAMAGE A65-21951
- SCHLIEP, G. I.
INSTANTANEOUS RESPONSE IN NERVOUS AND MUSCULAR SYSTEMS TO IONIZING RADIATION N65-23467

- SCHLIERF, G.
PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF
HUMAN SUBJECT DURING FASTING AND EXERCISE
A65-82189
- SCHLOSSER, D.
MEASUREMENT OF ERYTHROCYTE FLOW RATE IN
CAPILLARIES OF RABBIT LUNG USING
CINEMATOGRAPHIC METHODS
A65-80312
- SCHMIDT, C.
ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO
A65-14607
- SCHMIDT, C. F.
CEREBRAL BLOOD SUPPLY AND CEREBRAL OXIDATIVE
METABOLISM
A65-80363
- PHARMACOLOGICAL SUPPORT BY USING DRUGS FOR MAN ON
LONG SPACE FLIGHTS
A65-81630
- SCHMIDT, E. A.
PLACEBO INGESTION EFFECTS ON SIGNAL DETECTION
PERFORMANCE IN VIGILANCE TASK
TR-750-3
N65-15728
- SCHMIDT, J. P.
BLOOD PICTURE STUDY OF ALASKAN GROUND SQUIRREL
DURING HIBERNATION AND INDUCED HYPOTHERMIA
AAL-TDR-63-21
N65-10255
- SCHMIDT, R. R.
STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA
A65-80015
- SYNTHESIS OF PHOSPHORUS-CONTAINING MACROMOLECULES
DURING SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA, 7-11-05 RELATED TO NUCLEIC ACIDS
A65-80810
- NITROGEN METABOLISM DURING SYNCHRONOUS GROWTH OF
ALGA, CHLORELLA PYRENOIDOSA
A65-80880
- SCHMITT, D. H.
ELECTROGRAPHIC FORMATS TO MEET BIOPHYSICAL
RESEARCH REQUIREMENTS - RELATIONSHIP AMONG
BIOPHYSICAL INSTRUMENTATION PROBLEM, RESEARCH
WORKER, AND DATA HANDLING AND INTERPRETATION
N65-28755
- SCHNEIDER, J.
SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE
BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN
RAT AS COMPARED TO MOUSE
A65-81888
- SCHNEIDER, M.
ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM
HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO
SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL
SYSTEM
A65-81251
- SCHNEIDER, R. A.
PYRIDOXINE TOXICITY IN ANIMALS AND CLINICAL USES
OF PYRIDOXINE IN HIGH AND PROLONGED DOSES IN MAN
WITH REGARD TO ITS POSSIBLE TOXIC EFFECTS
AMRL-TR-64-106
N65-14004
- SCHNEIDERMAN, M.
PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
CATEGORIES
ORC-65-4
N65-26585
- SCHOBER, H. A. W.
THRESHOLD CONTRAST SENSITIVITY AS FUNCTION OF
SPATIAL FREQUENCY OF HUMAN EYE FOR SQUARE-WAVE
GRATING
A65-32834
- CONTRAST SENSITIVITY OF HUMAN EYE FOR SQUARE-WAVE
GRATINGS
A65-82199
- RELIABILITY OF VISUAL ACUITY TESTING
A65-82230
- SCHOCK, G. J. D.
ACCELERATION STRESS EFFECTS ON RATS HEART RATE,
USING ELECTROCARDIOGRAMS
A65-10745
- ACETYLCHOLINE AND RELATED DRUGS ROLE IN
ACCELERATION STRESS TOLERANCE
A65-14232
- ACETYLCHOLINE, METHAMPHETAMINE, TRIPELENNAMINE,
PROMETHAZINE, AND PLANT HORMONES AS RELATED TO
ACCELERATION TOLERANCE OF RAT
A65-80141
- RAT ELECTROCARDIOGRAM DURING HIGH CENTRIFUGAL
ACCELERATION STRESS
N65-16629
- SCHODER, H.-J.
DIAGNOSIS OF DISTURBANCES OF VESTIBULAR FUNCTION
AND CENTRAL NERVOUS SYSTEM AFTER HEAD TRAUMA
A65-82190
- SCHOEFFLER, M. S.
THEORY OF SIGNAL DETECTABILITY AND PSYCHOPHYSICAL
LEARNING
A65-81427
- SCHOENER, B.
INTRACELLULAR OXIDATION-REDUCTION STATE IN RAT
BRAIN
A65-80360
- SCHOHAM, B.
PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS
IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT
WITH ATTENTION TO TFX TYPE AIRCRAFT
A65-18428
- PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS
IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT
A65-80533
- SCHOLLER, K. L.
MEDICAL SUPERVISION OF INJURED DURING TRANSPORT BY
HELICOPTER
A65-81613
- SCHONBAUM, E.
ETHANOL DISAPPEARANCE FROM ARTERIAL BLOOD OF DOG
AS AFFECTED BY HYPOTHERMIA, HEXAMETHONIUM, AND
EPINEPHRINE
A65-81025
- REPORT ON STUDIES WITH GROUND HOG, MARMOTA
MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
INVESTIGATIONS OF BLOOD AND BROWN FAT
A65-81457
- SCHRAER, H.
SKELETAL RESPONSE OF RAT TO REDUCED BAROMETRIC
PRESSURE
A65-81174
- SCHRAFFA, A. M.
FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN
NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES
A65-80402
- SCHRAMM, G.
SYNTHESIS OF NUCLEOSIDES AND POLYNUCLEOTIDES WITH
METAPHOSPHATE ESTERS - BIOLOGICAL MODEL OF VIRUS-
LIKE SYSTEM
A65-80482
- SCHREUDER, D. A.
CONTRAST SENSITIVITY IN TEST FIELD WITH BRIGHT
SURROUND
A65-81419
- SCHROEDER, W.
QUANTITATIVE MEASUREMENTS OF CIRCULATION OF CALF
MUSCULATURE IN MAN
A65-82229
- SCHUBERT, J. E.
POSTNUCLEAR ATTACK ENVIRONMENT SURVIVABILITY TEST
IN MINUTEMAN MISSILE LAUNCH CONTROL CENTER
SAM-TDR-64-62
N65-17438
- SCHUKNECHT, H. F.
OTOLITH ORGAN ULTRASTRUCTURE IN SQUIRREL MONKEYS
AFTER EXPOSURE TO HIGH LEVELS OF GRAVITATIONAL
FORCE UP TO 10 MIN IN DIFFERENT BODY /HEAD/
POSITIONS
A65-26164
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO
HIGH LEVELS OF GRAVITATIONAL FORCE
A65-81291
- MORPHOLOGY OF SENSORY CELLS IN ORGAN OF CORTI OF
MAN
A65-81503
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL

- MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND
INERTIAL FORCE EXPOSURE
NASA-CR-57274 N65-19692
- SCHULTZ, R. D.
ANTIRADIATION AND ANTINEOPLASTIC COMPOUNDS RELATED
TO PLANT GROWTH REGULATORS - CYTOTOXIC EFFECTS
AND RADIATION PROTECTION
NASA-CR-62133 N65-21422
- SCHULTZ, V.
BIBLIOGRAPHY ON EFFECTS OF RADIONUCLIDES ON
METABOLISM OF WILD SPECIES OF PLANTS AND
ANIMALS
TID-3910, SUPPL. 3 N65-23596
- SCHULZ, H.
EFFECT OF CARBON MONOXIDE BREATHING ON CELLULAR
STRUCTURE AND TISSUES OF LUNGS IN RATS
A65-82272
- SCHULZE, F.
HYPOTHERMIA EFFECT ON EYE - CLINICAL,
BACTERIOLOGICAL, PATHOLOGICAL AND ANATOMICAL
FINDINGS
A65-81726
- SCHUM, D. A.
BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE
SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT
CONTROL
AMRL-TR-64-95 N65-12132
- INFLUENCE OF EXPERIENCE AND INPUT INFORMATION
FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN
SIMULATED THREAT-DIAGNOSIS SYSTEM
AMRL-TR-65-25 N65-27188
- SCHUSTER, D. H.
CHARACTERISTICS OF SWITCH ACTUATORS FOR
COMMUNICATIONS EQUIPMENT FOR SPACECRAFT USE,
NOTING RESPONSE TIME AND ERROR
A65-35473
- SCHWARTZ, A. W.
THERMAL CONDENSATION OF CYTIDYLIC ACID IN PRESENCE
OF POLYPHOSPHORIC ACID
A65-80483
- SCHWARTZ, E. E.
ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/
A65-80169
- SCHWARTZ, M.
MOOD, MOTILITY, AND 17-HYDROXYCORTICOID
EXCRETION IN CYCLIC MANIC-DEPRESSIVE PATIENT
NASA-CR-63785 N65-28097
- SCHWARTZ, N. J.
BIOMECHANICS OF CORNEA - APPLICATION TO
INTRAOCULAR PRESSURE MEASUREMENT
NASA-CR-67160 N65-34461
- SCHWARTZ, S. I.
EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT
ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS
A65-81202
- SCHWARTZ, W. B.
ACID-BASE EQUILIBRIUM IN DOGS SUBJECTED TO
STEPWISE FLUATIONS OF ARTERIAL CARBON DIOXIDE
TENSIONS
A65-80823
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL
PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS
AND MAN
A65-81636
- SCHWARTZKOPFF, J.
EFFECTS OF RADAR BEAM ON MIGRATORY BIRDS - EFFECT
OF ULTRASHORT ELECTROMAGNETIC WAVES ON
BIOLOGICAL SUBJECTS
NRC-TT-1161 N65-28815
- SCHWARZENBERG, L.
ASPECTS OF INJURY AND TREATMENT OF TOTAL-BODY
IRRADIATION IN MAN
A65-80167
- SCHWICHTENBERG, A. H.
HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND
CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST
FLIGHTS
A65-29068
- MEDICAL PROBLEMS OF HUMAN ENGINEERING IN MANNED
SPACE FLIGHT
A65-81103
- SCHWIDEFSKY, K.
COMPARISON OF LIMITS OF MAN AND AUTOMATIC SYSTEMS
IN PERFORMING FUNCTIONS IN PHOTOGRAMMETRY
A65-12932
- SCHWINGHAMER, J. M.
EVALUATION OF LOCAL ISCHEMIA, GENERAL ANOXIA, AND
VASODILATORS IN REACTIVE HYPEREMIA IN DOGS
A65-81450
- SCOTT, C. O.
INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- SCOTT, J. K.
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID
A65-82177
- SCOTT, K. T. B.
CHELATION WITH ALKALINE EARTH METALS, CHELATE
COMPOUNDS IN RADIOELEMENT REMOVAL THERAPY,
AND SEARCH FOR STRONTIUM 90 AND PLUTONIUM 239
REMOVAL AGENTS
AWRE-0-4/65 N65-28883
- SCOTT, R. A.
PROPOSED FRAMEWORK FOR ANALYSIS OF STRESS IN
HUMANS
A65-81207
- SCOTT, R. A., JR.
CHIMPANZEE RESPONSE TO CHANGES IN BIOCHEMICAL
SERUMS FOLLOWING RESTRAINT
ARL-TR-64-12 N65-20895
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
HEMATOLOGIC ALTERATIONS
ARL-TR-64-13 N65-20896
- CHIMPANZEE RESPONSE TO RESTRAINT BY MEASURING
URINE ALTERATIONS
ARL-TR-64-14 N65-20897
- SCOTT, R. E.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- SCOTT, T. R.
STIMULUS DIMENSIONS OF ROTATING SPIRALS
A65-82231
- SCRIMSHAW, N. S.
PHYSIOLOGICAL AND PSYCHIATRIC EFFECTS OF
EXAMINATION STRESS AND NIGHT-DAY REVERSAL
AD-423385 N65-10623
- SCROOP, G. C.
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE
A65-80180
- SCUDDER, E. D.
USE OF ENZYME, CARBONIC ANHYDRASE, FOR CARBON
DIOXIDE CONTROL IN SPACECRAFT
QTR-1 N65-26316
- SCUDERI, G.
IONIZING-FLAME GAS CHROMATOGRAPHY AND THERMISTOR
SENSOR DETERMINE POLLUTANTS IN AVIATION LIQUID
OXYGEN
A65-30138
- GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION OF
POLLUTANTS IN LIQUID OXYGEN USED IN AVIATION
A65-81479
- SEAGRAN, H. L.
IRRADIATION PASTEURIZATION FOR PRESERVATION OF
FRESH WATER FISH AND INLAND FRUITS AND
VEGETABLES
COO-1283-12 N65-19822

- SEAL, H. R.
GEMINI BIOINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM
IN FLIGHT A65-21499
- SEARCY, R. L.
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA
A65-81378
- SEARS, C. W.
MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED
SUBJECTS WHILE LUNGING, EGRESSING AND LANDING
DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS
A65-24072
- SEAWARD, P. D.
PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC
CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL
REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC
AREA A65-81120
- SEBERIN, S. F.
OXYGEN DEFICIENCY DUE TO GAS EXCHANGE DISTURBANCE
DURING RADIATION SICKNESS N65-22730
- SECOND, T. C.
SPACE MISSION SIMULATION SYSTEM DESIGN DEVELOPMENT
AND MANAGEMENT TECHNIQUES INCLUDING FOUR-MAN 30-
DAY MISSION SPACE CHAMBER EXPERIMENT A65-23616
- SPACE CABIN SIMULATOR AND TESTING OF INTEGRATED
LIFE-SUPPORT SYSTEMS WITH CREW
ASME PAPER 65-AV-19 A65-25030
- SECREST, R. R.
HIGH ALTITUDE RADIATION EFFECTS ON MILITARY AND
CIVILIAN PILOTS MEDICALLY ASSESSED FOR SST
FLIGHTS A65-29068
- SEDGWICK, A. W.
LOCAL MUSCULAR ENDURANCE AS AFFECTED BY RAISING
BODY TEMPERATURE THROUGH PHYSICAL ACTIVITY
A65-80523
- SEEDMAN, D. A.
LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION
AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- SEELER, H. W.
UNDERWATER PRESSURE-COMPENSATED, BREATHING CONTROL
VALVES FOR PROLONGED WATER IMMERSION
AMRL-TR-64-130 N65-19153
- SEELEY, H. F.
OPTOMOTOR RESPONSE, OPTICAL CONSTANTS OF COMPOUND
EYES, AND CYCLIC DISCHARGE OF MOTOR FIBERS AS
FUNCTION OF LIGHT INTENSITY - STUDY OF MILKWEED
BUG, LIXUS, AND TENEBRID
AFOSR-65-0042 N65-27933
- SEGER, D. R.
TORQUE FREE ROTATIONAL DYNAMICS OF VARIABLE
CONFIGURATION BODY - APPLICATION TO WEIGHTLESS
MAN
GA/ME/64-19 N65-27420
- SEIBEL, R.
SHORT-TERM MEMORY UNDER WORK-LOAD STRESS
A65-81979
- SEIFERT, R.
PSYCHOLOGICAL CORRELATES OF HYPOXIA-STRESS
TOLERANCE A65-81333
- SEITUN, A.
VIGILANCE AND LATENCY LEVEL OF CORTICAL SOMATIC
RESPONSES TO PERIPHERAL AND CENTRAL STIMULI IN
CATS A65-82222
- SEKULER, R. W.
SPATIAL AND TEMPORAL DETERMINANTS OF VISUAL
BACKWARD MASKING A65-82234
- SELDEEN, B. L.
RESPONSE TIME, FOOD INTAKE, AND BODY WEIGHT OF
RATS ON TWO FOOD-REINFORCED SCHEDULES AS AFFECTED
BY ACCELERATION A65-82207
- SELF, H. C.
POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING
RADAR TARGET DETECTION
AMRL-TR-64-82 N65-13995
- SELIANKINA, K. P.
CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT
ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL
NERVOUS SYSTEM IN ALBINO RATS A65-82243
- SELIGER, V.
TELEMETRIC DEVICE FOR MEASUREMENTS OF HEART
FUNCTIONS AND RESPIRATION A65-81208
- SELLS, S. B.
EFFECTS OF GROUP, ENVIRONMENT, AND WEATHER
VARIABLES ON HUMAN BEHAVIOR
AD-607810 N65-14420
- DIMENSIONAL DESCRIPTIONS OF PHYSICAL AND SOCIAL
STIMULUS VARIABLES INFLUENCING BEHAVIOR
VARIANCE - PSYCHOLOGY
AD-602369 N65-21854
- SELTERS, W.
HIGH-AND LOW-LEVEL SOUND EXPOSURES AND
RELATION TO AUDITORY FATIGUE AND ADAPTATION
A65-80270
- SEM-JACOBSEN, C. W.
NEUROPHYSIOLOGICAL AND CARDIOVASCULAR DATA
COLLECTION DURING FLIGHTS, INSTANT ANALYSIS AND
REDUCTION OF DATA, AND PATTERN AND CORRELATION
ANALYSIS N65-28757
- SEMENTOV, L. F.
EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION
OF SMALL INTESTINE IN GUINEA PIGS
A65-81990
- EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS
IN SMALL INTESTINE OF GUINEA PIG
N65-35892
- SEMENTOV, N. V.
HIGH FREQUENCY CURRENTS FOR WARMING ANIMALS IN
STATE OF HYPOTHERMIA
JPRS-30998 N65-28140
- SEMENTOV, YU. V.
EFFECT OF HYPOXIA ON SIZE OF ERYTHROCYTES IN DOGS
A65-81874
- ACUTE HYPOXIA INFLUENCE ON ACID RESISTANCE OF
ERYTHROCYTES OF DOGS N65-17761
- SEMENTOVSKAIA, E. N.
HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC
CURRENT A65-80748
- SEMIKOPNYY, I. D.
PSYCHOPHYSIOLOGICAL TESTING OF SPATIAL ORIENTATION
ILLUSIONS IN PERSONS SUBJECTED TO VISUAL STIMULI
N65-13645
- SEMPLE, S. J. G.
RATE OF CHANGE OF CARBON DIOXIDE TENSION IN
ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL
CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE
CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN
PATIENTS A65-82073
- SEN, R. N.
ANTHROPOMETRIC MEASUREMENTS OF INDIAN SUBJECTS
ACCLIMATIZED TO HOT AND COLD CLIMATES
A65-80971
- SENAY, L. C., JR.
CUTANEOUS CIRCULATION DURING DEHYDRATION AND HEAT
STRESS A65-80677
- CARDIOVASCULAR AND SWEATING RESPONSES TO WATER
INGESTION IN DEHYDRATING SUBJECTS IN HEAT CHAMBER
A65-81910
- SENDERS, J. W.
TRACKING PERFORMANCE AS FUNCTION OF EXPONENTIAL
DELAY AND LEARNING - HUMAN PERFORMANCE
AMRL-TR-64-104 N65-19149

- SENGER, H.
ISOLATION OF DNA-RNA COMPLEX FROM CHLORELLA CELLS
A65-80933
- EFFECTS OF ILLUMINATION CHARACTERISTICS ON MITOSIS
IN CHLORELLA PYRENOIDOSA CULTURES
A65-82317
- SENGSTAKE, C. B.
PERCEPTION OF DEVIATIONS IN REPETITIVE PATTERNS
A65-81982
- SENKEVICH, YU. A.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION
N65-13737
- SENER, R. J.
SHORT-TERM MEMORY AS PREDICTOR OF TROUBLESHOOTING
SKILL
AMRL-MEMO-P-53
N65-11638
- SEPETJIAN, J.
VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124
- SEQUI, G.
COMPARISON OF ELECTROCARDIOGRAMS OF SUBJECTS
PERFORMING WORK AND TRAINED ATHLETES
A65-81257
- SERAFINI, I.
MODIFICATIONS OF BARANY APPARATUS AND TECHNIQUE
FOR EVOKING OPTOKINETIC NYSTAGMUS
A65-81612
- SERDIUCHENKO, I. IA.
RESPONSE OF CARDIOVASCULAR SYSTEM TO COLD-BLOCK OF
VAGUS TRUNK
A65-80602
- SEREDENKO, M. M.
REACTION OF AGING ORGANISM TO ACUTE HYPOXIA
N65-17763
- SERFATY, A.
ELECTROCARDIOGRAPHIC RESPONSES TO ANOXIA IN CARP
/CYPRINUS CARPIO L./ SIMILAR TO THOSE IN MAMMAL
A65-81384
- SERGEVA, N. A.
TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT
A65-81387
- SERGEYEV, A. A.
HISTORY AND DEVELOPMENT OF AVIATION MEDICINE IN
U.S.S.R.
NASA-TT-F-176
N65-21725
- SERGEYEV, N. P.
AVIATION PHYSIOLOGY
N65-13759
- SERGEYEV, S. N.
HISTOCHEMICAL EXAMINATION OF CHANGES IN
DISTRIBUTION OF EFFECT OF SUCCINIC
DEHYDROGENASE, CARBOANHYDRASE, ATP AND
SULFHYDRYL GROUPS OF INNER ORGANS IN HYPOXIA
N65-13758
- SERGEYEV, V. A.
AVIATION PHYSIOLOGY
N65-13759
- SERGIYEVSKIY, V. S.
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL
CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING
ACTION OF HYDRAZINE DERIVATIVES
N65-17747
- SERIS, H.
PROTECTION AGAINST ACCELERATIONS IN PILOTS WEARING
FLIGHT SUIT AND ANTI-G TROUSERS
A65-80874
- PHYSIOPATHOGENIC STUDY OF SPINAL FRACTURES CAUSED
BY EJECTION
A65-80876
- RADIOLOGICAL DIAGNOSIS OF SPINAL LESIONS IN JET
PILOTS
A65-80919
- MAN-MACHINE PROBLEMS RELATED TO FLYING VERTICAL
TAKEOFF AIRCRAFT
A65-81037
- SERIS, N.
NEW PHENOTHIAZINE TRANQUILIZER, FLUPHENAZINE -
EFFECTS ON REACTION TIME AND TOTAL RESPONSE
TIME
A65-80118
- SEROVA, L. V.
PROPHYLACTIC EFFECT OF AEROIONIZATION IN ACUTE
RADIATION SICKNESS
A65-80800
- SERSEN, E. A.
TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609
N65-29386
- SETH, H. S.
MICROWAVE CATARACTOGENESIS IN YOUNG RABBITS AS
RELATED TO RADIATION INTENSITY AND EXPOSURE TIME
A65-82061
- SEVANKAYEV, A. V.
EFFECT OF IONIZING IRRADIATION ON VESTIBULAR
APPARATUS
N65-13757
- SEVCIK, F.
FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS
RELATION TO RADIATION SICKNESS AND MORTALITY OF
MULTIPLE IRRADIATED MICE
A65-81748
- SEVER, R. J.
PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE
AND CAPILLARY BLOOD FLOW DURING FORWARD
ACCELERATION
A65-82152
- HYPOXIA INDUCED BY SUSTAINED FORWARD ACCELERATION
WHILE BREATHING PURE OXYGEN AT REDUCED
ATMOSPHERIC PRESSURE
NASA-TM-X-51649
N65-35262
- SEVERIN, S. YE.
ENERGY FOR PHYSIOLOGICAL FUNCTIONS DESCRIBED AS
ENERGY ACCUMULATION IN HIGH ENERGY BONDS
NASA-TT-F-308
N65-14948
- RELATION OF PHYSIOLOGICAL FUNCTIONS TO PHOSPHATE
BONDS OF ADENOSINE TRIPHOSPHORIC ACID -
STRUCTURE OF BIOLOGICAL MEMBRANES
JPRS-32016
N65-34453
- SEVESTRE, J.
TELEMETRIC TECHNIQUE FOR RECORDING
ELECTROCARDIOGRAM IN RACE HORSE
A65-80609
- SHABAD, L. M.
EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS
A65-82029
- SHACKELFORD, R. T.
CARBON DIOXIDE EFFECT ON CEREBRAL BLOOD FLOW IN
SUBJECTS WITH UNILATERAL INTERNAL CAROTID
OBSTRUCTION
A65-81027
- SHADRINTSEV, I. S.
TELEMETRY SYSTEMS FOR PHYSIOLOGICAL DATA
TRANSMISSION
N65-12735
- SHADURSKIY, K. S.
INDOLE AND HYDRAZINE DRUG DERIVATIVES TO INCREASE
RESISTANCE TO OXYGEN DEFICIENCY
N65-13669
- SHAFFER, L. H.
PROBLEM SOLVING ON STOCHASTIC PROCESS - MONITORING
OF COMPUTER SOLUTIONS BY MAN
A65-81225
- SHALIMOV, A. A.
DYNAMICS OF CARDIAL INSUFFICIENCY IN MITRAL HEART
DISEASE ACCORDING TO DATA FROM VENOUS
CATHETERIZATION, PUNCTURE OF CARDIAC CAVITIES
AND ELECTROMAGNETIC BALLISTOCARDIOGRAPHY
N65-25672

- SHALNOV, M. I.
IONIZING RADIATION EFFECT ON LIVING ORGANISMS AND
RADIOBIOLOGICAL PROCESSES IN INDIVIDUAL CELLS
JPRS-30541 N65-25430
- SHAMROV, P. G.
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION N65-13737
- SHANGIN-BEREZOVSKIY, G. N.
CHANGES ARISING IN PLANTS AFTER EXPOSURE TO
IONIZING RADIATION N65-15678
- SHANKEN, M. L.
ENVIRONMENTAL CONTROL SYSTEM INTEGRATION FOR
MANNED SPACE STATION
SAE PAPER 912C A65-12909
- SHANNON, I. L.
PIGMENT INTERFERENCE IN CORTICOSTEROID
MEASUREMENTS OF HUMAN BODY DURING TOTAL
STARVATION
SAM-TDR-64-58 N65-11422
- REDUCTASE ACTIVITY AND SULFHYDRYLS IN
DEHYDROGENASE HISTOCHEMISTRY OF HUMAN GINGIVA
SAM-TDR-64-48 N65-12007
- SALIVA STUDIES OF PAROTID FLUID STEROID RESPONSES
TO CORTICOTROPIN DOSES IN YOUNG ADULT MALES -
PHYSIOLOGICAL RESPONSES
SAM-TDR-63-30 N65-25204
- AGING EFFECT ON PROTECTIVE POTENCY OF STANNOUS
FLUORIDE SOLUTION - DENTISTRY
SAM-TR-65-15 N65-26618
- SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID
FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677
- SHANNON, R. H.
POSTURE, TOWER TRAINING, AND AGE OF FLYING
PERSONNEL AS RELATED TO COMPRESSION FRACTURES OF
SPINE DURING EJECTION A65-82125
- SHAPIRO, A.
GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS A65-82046
- DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM
RAPID EYE MOVEMENT SLEEP A65-82223
- SHAPIRO, A. P.
RESTRAINT AND EFFECT ON FREE FATTY ACID
MOBILIZATION IN RATS A65-81183
- SHAPIRO, B.
ROLE OF DISULFIDE AND THIOLESTER BONDS BETWEEN
PROTECTING AGENT AND TISSUE PROTEIN IN RADIATION
PROTECTION OF MICE TREATED WITH
BIS/2-GUANIDOETHYL/ DISULFIDE /GED/ A65-80169
- SHAPIRO, B. J.
PULMONARY CIRCULATION AND HEART FUNCTION IN
RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES
A65-82301
- SHAPIRO, M. Z.
MATHEMATICAL MODEL USED TO EXAMINE
PHYSICOCHEMICAL HYPOTHESES THAT EXPLAIN WAYS
IN WHICH HUMAN BODY CONTROLS FLUID AND
ELECTROLYTE DISTRIBUTION - RENAL EXCRETION
RM-4609-PR N65-31199
- SHAPIRO, R.
ENERGY REQUIREMENTS OF MEN WORKING AND LIVING IN
EXTREME HEAT A65-80970
- SHAPIRO, W.
HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION
OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON
DIOXIDE INHALATION A65-81957
- SHARP, E. D.
PRESSURIZED SPACE SUITS COMPARED FOR MOBILITY ON
BASIS OF TIME TAKEN FOR INITIATION OF ACTION BY
SUBJECT - HUMAN ENGINEERING
AMRL-TR-64-126 N65-24360
- SHARP, J. C.
EFFECT OF MASSIVE DOSES OF IONIZING RADIATION UPON
CONDITIONED AVOIDANCE BEHAVIOR OF MONKEYS N65-22304
- SHARP, J. T.
BREATHING MECHANICS - COMPLIANCE AND RESISTANCE
IN NORMAL LUNG AND THORAX A65-80184
- SHARPLEY, R. P.
EXPERIMENTAL COMPOUND 84/F 1983 COMPARED WITH
D-AMPHETAMINE AND PLACEBO IN REGARD TO EFFECTS
ON MENTAL PERFORMANCE IN SLEEP DEPRIVATION
AND FATIGUE A65-80160
- SHASHKOV, V. S.
BIOLOGICAL EFFECT OF COSMIC RADIATION IN
EXPERIMENTS MODELING EARTH - MOON TRAJECTORY
UNDER CONDITIONS OF SOLAR FLARE A65-25098
- HIGH ENERGY PROTONS EFFECT ON MICE AND RATS,
NOTING PROTECTIVE ACTIONS OF SOME COMPOUNDS
A65-30480
- CHANGES IN BLOOD SEROTONIN CONTENT CAUSED BY
IONIZING RADIATION AND VIBRATION DURING SPACE
FLIGHT, IN VARIOUS ANIMALS A65-80979
- COMPARATIVE RADIOPROTECTIVE EFFECT OF
MERCAPTO- AND INDOLYLALKYLAMINES IN WHITE MICE
EXPOSED TO GAMMA RADIATION OR IRRADIATION BY
PROTONS OF 120-660 MEV ENERGY A65-81989
- BIOLOGICAL EFFECT OF COSMIC RADIATION AND
PROTECTIVE EFFECTS OF DRUGS ON MICE N65-10065
- SEROTONIN CONCENTRATION IN ANIMALS EXPOSED TO
RADIATION AND EFFECTS OF SPACE FLIGHT DYNAMICS
JPRS-29434 N65-21237
- CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN
JPRS-31349 N65-29879
- COMPARISON OF RELATIVE BIOLOGICAL EFFECTIVENESS
OF PROTONS AND GAMMA RADIATION IN MICE, RATS,
SEEDS, AND DROSOPHILA MELANOGASTER N65-31039
- SHATALOV, N. N.
CARDIOVASCULAR SYSTEM UNDER EXPOSURE TO CONTINUOUS
NOISE
T-411-R N65-15577
- SHAVRIN, P. I.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- MEASUREMENTS OF TOTAL RADIATION DOSE REGISTERED BY
INSTRUMENTS ON BOARD OF SOVIET SPACESHIPS
VOSTOK-5 AND VOSTOK-6 A65-80857
- SHAW, D. B.
CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON
VENTILATION A65-81896
- SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH
SEXES LIVING AT HIGH ALTITUDE A65-81964
- SHAW, E. G.
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- SHAW, E. I.
LABORATORY MANUAL FOR RADIATION BIOLOGY

- TID-18616, REV. N65-24623
- SHAW, R. F.
ASTRONAUT PHYSIOLOGICAL PERFORMANCE DATA
ACQUISITION BY BIOINSTRUMENTATION DEVICES, NOTING
PULSED DOPPLER TRANSDUCERS FOR BLOOD FLOW
MEASUREMENTS A65-33281
- SHAWCROSS, L.
STRONTIUM 90 IN HUMAN BONE - RADIATION HAZARD
EVALUATION REPT.-10 N65-29860
- SHCHEDROVITSKII, L. P.
METHODS FOR MEASURING AND REGISTERING EYE TREMOR
A65-80046
- EYE MOVEMENTS DURING OBSERVATION OF MOVING OBJECT
A65-81196
- SHCHERBAKOV, V. K.
MUTAGENIC AND ANTIMUTAGENIC ACTION OF
RADIOPROTECTIVE AMINO ACIDS IN PLANT DURING
MITOSIS A65-80657
- CHROMOSOMAL MUTATION IN HORSE BEAN - INTERACTION
BETWEEN PRIMARY EFFECTS OF RADIATION AND
CHEMICAL MUTAGENS N65-25612
- SHCHUKOLIUKOV, S. A.
ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
CORTEX AND CEREBELLUM A65-80812
- SHEARER, J. W.
PERFORMANCE EVALUATION IN SIMULATOR TRAINING
ENVIRONMENT
NAVTRADEVEN-1449-1 N65-14797
- SHECTMAN, F.
USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS
AD-450861 N65-14679
- SHEER, D. E.
VALIDATION OF CAREFULNESS TEST BATTERY USED IN
PERSONNEL SELECTION A65-81555
- SHEKHTER, I. A.
X-RAY DIAGNOSIS OF DISEASE IN U.S.S.R.
N65-30221
- SHELANSKI, M. V.
ANIMAL STUDY TO DETERMINE PRIMARY IRRITANT EFFECT,
GROSS SENSITIZATION INDEX, AND GROSS SKIN
TOXICITY OF DEVELOPMENT MATERIALS
AMRL-TR-64-120 N65-18967
- SHELDON, C. S., II
MANNED SPACE FLIGHT GOALS AND PHILOSOPHY
N65-18573
- SHELDON, W. R.
RADIATION HAZARD EVALUATION FOR SPACE FLIGHT BY
FRACTIONAL CELL LETHALITY APPROACH
N65-34603
- SHENTON, L. R.
STOCHASTIC PROCESS AND CONTINUOUS MODEL FOR DECAY
OF RADIOACTIVE MATERIAL IN COMPARTMENTED
SYSTEM
ORNL-3809 N65-25848
- SHEPARD, R. H.
APPARATUS FOR PRODUCTION OF GAS MIXTURES OF
PRECISELY CONTROLLED COMPOSITION FOR INSPIRATION
BY SMALL ANIMALS A65-81151
- SHEPELEV, YE. YA.
PHYSIOLOGICAL AND ECOLOGICAL INVESTIGATIONS OF
CHLORELLA AS PHOTOSYNTHESIS LINK IN CLOSED
ECOLOGICAL SYSTEM
NASA-TT-F-9592 N65-35786
- SHEPHERD, F. P.
TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING
AND DRUGS A65-81186
- SHEPHERD, J. T.
VASCULAR TONE CHANGES OF VEINS IN
EXTREMITIES DURING SUPINE EXERCISE
A65-80271
- FOREARM EXERCISE EFFECT ON CAPACITANCE VESSELS
A65-81909
- SHEPHERD, L. R.
SAFETY HAZARDS USING NUCLEAR POWER FOR SPACE
VEHICLES A65-80527
- SHERIDAN, T. B.
HUMAN OPERATOR ROLE IN PERFORMING INFORMATION
PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR
CONSOLE MEMORY A65-35478
- INFORMATION SYSTEMS FOR AUTOMATED ON-JOB TRAINING
ESD-TDR-64-234, VOL. III N65-31242
- PRINCIPLES FOR DESIGN AND USE OF INFORMATION
SYSTEMS FOR AUTOMATED ON-THE JOB TRAINING
ESD-TDR-64-234, VOL. V, FINAL N65-31249
- SHERMAN, J. L., JR.
NUTRITION, DIET, AND METABOLISM RESEARCH BY ARMY
MEDICAL SERVICE N65-18571
- SHERRICK, C. E.
CUTANEOUS DISCRIMINATION OF MULTIPLE VIBRATORY
STIMULI OF VARYING PATTERNS A65-81376
- SHERWOOD, J. J.
MENTAL PERFORMANCE RELATED TO LEVEL OF AROUSAL
A65-82261
- SHEVCHENKO, A. N.
BLOOD CIRCULATION IN MICE AND RATS TRACED FOR
DETERMINING INFLUENCE OF ANTIRADIATION DRUGS
ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN
IN ORGANS N65-26390
- SHEVCHENKO, IU. S.
DEGREE OF RESPONSE OF VARIOUS PHYSIOLOGICAL
SYSTEMS TO VIBRATION STRESS IN ALBINO RATS
A65-81701
- SHEVCHENKO, V. A.
EFFECT OF ULTRAVIOLET RADIATION GROWTH AND
MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- SHEVELEV, I. A.
SYNCHRONIZATION OF INITIAL AFFERENT FLOW IN VISUAL
SYSTEM IN CAT A65-81705
- SHEVELKO, E. A.
DEVELOPMENT OF PYROGENIC MECHANISM RELATED TO
HEAT REGULATION IN GROWING RABBITS AND GUINEA
PIGS A65-81879
- SHEWMAKE, G. A.
RESCUE TECHNIQUES USING STANDARD STOKES LITTER
DESCRIBED FOR HANDLING INJURED PERSONS IN
WATER N65-29754
- SHIBATA, Y.
UPTAKE AND EXCRETION OF CRYSTALLINE AND SERUM
BILIRUBIN IN ISOLATED RABBIT LIVERS DURING HYPOXIC
AND OXYGENATED CONDITIONS A65-81415
- SHIBOLET, S.
PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM A65-80898
- SHIBUYA, I.
DEGRADATION AND FORMATION OF SULFOLIPID OCCURRING
CONCURRENTLY WITH DEGENERATING AND REGENERATING
CHLOROPLASTS OF CHLORELLA PROTOTHECOIDES
A65-82347
- SHIFFER, I. V.
LIVER REGENERATION DETERMINATION IN WHITE MICE
AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION
FTD-TT-64-230/1&2&4 N65-10285
- SHIGEJI AOKI
SYNTHESIS OF NUCLEIC ACIDS AND PROTEIN IN

PERSONAL AUTHOR INDEX

SHULGA, T. M.

- CONNECTION WITH CHLOROPLAST FORMATION IN GREEN ALGA, CHLORELLA PROTOTHECOIDES A65-80937
- EFFECT OF ACTINOMYCIN AND ROLE OF NUCLEIC ACIDS ON GREENING OF GLUCOSE-BLEACHED AND ETIOLATED ALGAL CELLS A65-80938
- SHIHIRA-ISHIKAWA, I.
EFFECTS OF GLUCOSE ON PROCESS OF CHLOROPLAST DEVELOPMENT IN CHLORELLA PROTOTHECOIDES A65-81640
- SHIK, L. L.
HYPOXIA AND COMPENSATION MECHANISMS IN CONGENITAL HEART DEFECTS OF BLUE AND PALLID TYPES N65-17789
- SHIK, M. L.
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM A65-80749
- QUANTITATIVE RELATIONSHIP OF MOTOR UNITS WORK IN SUSTAINED POSTURE IN HUMANS A65-80753
- CONTROL OF BODY MOVEMENTS BY SPINAL CORD A65-80830
- STUDY OF COMPLEX MOVEMENTS IN HIGHLY ORGANIZED MAMMAL SYSTEMS A65-80831
- MODEL APERIODIC BALLISTOCARDIOGRAPH AND DESCRIPTION OF APERIODIC BALLISTOCARDIOGRAM OF HEALTHY INDIVIDUAL A65-81290
- SHILLING, C. W.
SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS DIRECTORY FOR FACILITATING EXCHANGE OF DATA, IDEAS, AND INFORMATION NASA-CR-53419 N65-16826
- SHILLINGER, YU. I.
VITAMIN METABOLISM OF DOGS FED ON IRRADIATED MEAT N65-27268
- SHILLITO, F. H.
PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL AND OBSTRUCTIVE LUNG DISEASED PATIENTS A65-81973
- SHIMODA, N.
CASE HISTORY OF PILOT HAVING SYNCOPE DURING INSTRUMENT FLYING A65-80551
- SHINOZAKI, T.
DIGITAL INTEGRATOR FOR ON-LINE PULMONARY COMPLIANCE MEASUREMENTS A65-81154
- SHIPTON, H. W.
MULTICHANNEL TOPOSCOPE AS COMPUTER INTERFACE IN STUDY OF EEG N65-28765
- SHISHKOVA, YE. V.
HYDROPHONE RECORDING DATA FOR SOUND SIGNALS EMITTED BY DOLPHINS FOR DETERMINING SONIC PRESSURE AT POINT OF EMISSION AND AT POINT OF RECEPTION JPRS-30466 N65-25426
- SHISHOV, A. G.
PILOT ERRORS IN INSTRUMENT FLYING N65-13748
- SHISHOVA, A. A.
CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR IN FLIGHT PERFORMANCE OF PILOTS N65-13691
- SHIZGAL, H.
CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON VENTILATION A65-81896
- SHKARINOV, L. N.
OCCUPATIONAL HYGIENE PROBLEMS IN OPERATING MECHANICAL TOOLS - VIBRATION DISEASE AND HEARING DISORDERS N65-10121
- SHKURDODA, V. A.
EFFECT OF SYSTEMATIC TRAINING ON TOLERANCE OF WHITE RATS TO PROLONGED HYPODYNAMIA AND ISOLATION N65-13775
- SHLOSINGER, A. P.
ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS TRANSFER IN SPACE SUIT NASA-CR-63144 N65-25269
- INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR BODY TEMPERATURE CONTROL NASA-CR-63399 N65-26418
- SHMAKOVA, N. L.
RADIATION REACTIONS AND CHEMICAL PROTECTION OF ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- SHMALGAUZEN, I. I.
EVOLUTION IN LIGHT OF CYBERNETICS - CONTROL PROCESSES IN LIVING ORGANISMS N65-32561
- SHMERLING, M. D.
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING ACTION OF HYDRAZINE DERIVATIVES N65-17747
- SHMOL, S. E.
EFFECT OF SONIC WAVES ON RATE OF GERMINATION OF POLLEN OF PLANT TRANDESCANTIA PALUDOSA A65-81939
- CHANGES IN RADIOACTIVITY IN PERIPHERAL BLOOD VESSELS FOLLOWING INTRAVENOUS ADMINISTRATION OF RADIOACTIVE ISOTOPES JPRS-31007 N65-28223
- SHOENBERGER, R. W.
PILOT SELECTION AND NAVAL AVIATION A65-81041
- SHOJI, T.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS AND CORIOLIS ACCELERATION A65-81434
- SHOQUIST, R.
SYSTEMATIC PROCEDURE COMPOSED OF TECHNIQUES IN FIELD OF FLIGHT CONTROL DESIGN, RELIABILITY, AND HUMAN FACTORS YIELDING PRACTICAL APPROACH FOR DESIGN OF INTEGRATED PILOT-CONTROLLER SYSTEM RTD-TDR-63-4092 N65-36724
- SHOR, R. E.
SPECIFIC MOTOR RESPONSE DURING SLEEP TO SLEEP-ADMINISTERED MEANINGFUL SUGGESTION A65-81012
- SHORT, C. E.
ELECTROANESTHESIA IN LARGE ANIMALS N65-16630
- SHTANNIKOV, YE. V.
PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS N65-28296
- SHTILBANS, I. I.
CHROMOSOMAL DISEASES ANALYZED FOR INVESTIGATING GENETIC EFFECTS OF RADIATION - HEREDITY JPRS-31635 N65-31211
- SHTURKINA, D. K.
CONCENTRATION OF HYDROGEN FLUORIDE IN AMBIENT ATMOSPHERE WHICH CAUSES DISTURBANCE IN CENTRAL NERVOUS SYSTEM IN ALBINO RATS A65-82243
- SHUBA, M. F.
ANOXIA INFLUENCE ON METABOLISM OF SMOOTH MUSCLE N65-17772
- EFFECTS OF OXYGEN, NITROGEN, AND CARBON DIOXIDE ON ELECTRIC PROPERTIES OF SMOOTH MUSCLE IN FROGS JPRS-31013 N65-28142
- SHULGA, T. M.
PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS OF CARBON MONOXIDE POISONING ON RATS - PERMISSIBLE DAILY CONCENTRATION OF CARBON MONOXIDE IN AIR N65-28295

- SHUMITSKAYA, N. M.
COMPARATIVE PHYSIOLOGICAL FEATURES OF ANIMAL
HEMATOGENETIC FUNCTIONS UNDER HIGH MOUNTAIN
CLIMATE CONDITIONS - HYPOXIA N65-17756
- INFLUENCE OF HYPOXIA ON DOGS WITH LIVER CONDITIONS
IN HIGH ALTITUDE ENVIRONMENT N65-17827
- PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY
ACCLIMATIZATION TO HIGH ALTITUDES N65-17832
- SHUPIK, R. I.
SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- SHURGIN, S. N.
EFFECT OF PARACHUTE JUMPS ON PERSONS IN DIFFERENT
AGE GROUPS N65-13776
- SHURUBURA, A. A.
LINEAR ACCELERATION EFFECTS ON CEREBRAL PRESSURE
AND PLETHORA IN VARIOUS MAMMALS A65-80086
- DYNAMICS OF BLOOD CIRCULATION PARAMETERS OF
CEREBRAL VASCULAR SYSTEM DURING LONGITUDINAL
GRAVITATIONAL LOADS N65-14527
- SHUSTER, D.
MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE
FROM SACRIFICED MALE RAT FEMURS IN VITRO A65-16559
- SHUSTER, I. A.
PHYSIOLOGICAL STRESS EFFECT OR INJURY EFFECT ON
BETA-LIPOPROTEIN CONTENT OF BLOOD SERUM AND
VARIOUS ORGANS IN RATS A65-80394
- SIDELNIKOV, I. A.
SENSITIVITY OF VESTIBULAR ANALYZER AND SENSORY
REACTIONS IN MAN UNDER CONDITIONS OF
WEIGHTLESSNESS A65-80089
- METHODS OF SELECTING PERSONNEL BY VESTIBULAR
TESTS N65-13779
- SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM
WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER
SENSITIVITY
FTD-TT-64-1052/162&4 N65-17194
- SIDLE, A. B.
CHEMICAL STRUCTURE AND EXTENT OF PROTECTION
AGAINST IONIZING RADIATION GIVEN BY ALCOHOLS TO
BACTERIA, SALMONELLA TYPHIMURIUM LT2 A65-80042
- SIDOROV, O. YU.
OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF
ELEVATED CARBON DIOXIDE CONCENTRATIONS IN
RABBITS N65-17807
- SIDORSKY, R. C.
DECISION-MAKING SKILLS AND BEHAVIOR DEVELOPMENT BY
TRAINING PROCEDURES
NAVTRADEVEN-1329-1 N65-10522
- SIE, S. T.
GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF
PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993
- SIEGEL, A. I.
DISPLAY EVALUATIVE INDEX / DEI/ TECHNIQUE FOR
EQUIPMENT SYSTEMS EVALUATION FROM INFORMATION
TRANSFER POINT OF VIEW A65-18291
- DEVELOPMENT OF PAINT SCHEME FOR INCREASING
AIRCRAFT DETECTABILITY AND VISIBILITY A65-81124
- SIEGEL, J.
PARADOXICAL SLEEP AND RELATION TO DEPRIVATION IN
CAT A65-81157
- SIEGEL, M. H.
COLOR DISCRIMINATION AS FUNCTION OF EXPOSURE TIME
- SIEGEL, P. V.
FLIGHT STRESS AND SAFETY- AIDS TO PILOT
PERFORMANCE A65-81309
- SIEGEL, S. M.
TERRESTRIAL MICROORGANISM SURVIVAL AND GROWTH ON
SPECIMENS OF EUPHORBIA XYLOPHYLLIDES IN AMMONIA
METHANE HYDROGEN-RICH ATMOSPHERES A65-23486
- SEED GERMINATION OF COMMON PLANT SPECIES IN
RAREFIED NITROGEN ATMOSPHERES SIMULATING
EXTRATERRESTRIAL ENVIRONMENT A65-32416
- INHIBITION OF SEED GERMINATION IN VARIOUS
ANGIOSPERMS OVERCOME BY RADIATION AND CHEMICAL
STIMULUS A65-80354
- SURVIVAL, PHYSICAL ACTIVITY, RESPIRATION, AND
BLOOD CHANGES OF TURTLE, PSEUDOMYS
SCRIPTA-ELEGANS, EXPOSED TO ENVIRONMENTAL STRESSES
A65-80897
- SURVIVAL AND GROWTH OF TERRESTRIAL MICROORGANISMS
IN AMMONIA-RICH ATMOSPHERES SUPPORTING POSSIBILITY
OF ORIGIN AND EXISTENCE OF LIFE ON JUPITER
A65-81287
- SIEKER, H. O.
RETINAL VASCULAR RESPONSE TO HYPERBARIC
OXYGENATION A65-80883
- CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION A65-81204
- SIGUMACHI, T.
OBTAINING ELECTRORETINOGRAMS AT DIFFERENT LEVELS
OF ADAPTATION USING PORTABLE ELECTROCARDIOGRAPH
AND XENON FLASH UNIT A65-80782
- SIKULOVA, J.
FLUCTUATION OF URINE ELECTROLYTE EXCRETION AND ITS
RELATION TO RADIATION SICKNESS AND MORTALITY OF
MULTIPLE IRRADIATED MICE A65-81748
- SILAYEV, YU. V.
RADIOPROTECTIVE COMPOUNDS EFFECT ON PERSISTENT
AFTERGLOW OF U V-IRRADIATED SERUM ALBUMIN
SOLUTIONS A65-30481
- EFFECT OF RADIATION PROTECTIVE SUBSTANCES ON
PROTRACTED AFTERGLOW OF IRRADIATED SOLUTIONS OF
SERUM ALBUMIN N65-31040
- SILINI, G.
RADIATION RECOVERY OF MICE RECEIVING SINGLE DOSE
OF X-RAY IRRADIATION OR SPLIT-CONDITIONING DOSES
A65-80164
- SILVERMAN, A. J.
PATTERNS OF FAT MOBILIZATION IN FIELD-DEPENDENT
AND FIELD-INDEPENDENT SUBJECTS A65-81406
- SILVERMAN, G. J.
MICROORGANISM RESISTIVITY TO THERMAL INACTIVATION
BY DRY HEAT - GLASS FIBERS AND MEMBRANE FILTERS
NASA-CR-63198 N65-25401
- SILVERMAN, L.
POTASSIUM PALLADO SULFITE METHOD FOR CARBON
MONOXIDE DETECTION A65-81275
- ENVIRONMENTAL CHAMBER FOR STUDYING PHYSIOLOGICAL
PHENOMENA OF HYPERCAPNIA AND HYPOXIA IN ANIMALS
AND MAN A65-81636
- SILVERMAN, M. P.
CULTURE TECHNIQUE, DISTRIBUTION, AND PHYSIOLOGY OF
METHANE-OXIDIZING BACTERIA, BIOCHEMISTRY OF
METHANE OXIDATION, AND PRACTICAL APPLICATIONS IN
PETROLEUM, POWER GENERATION, AND PRODUCTION
BM-IC-8246 N65-13393
- SILVERSTEIN, A. M.
SKIN GRAFT REJECTION IN FETUS OF SHEEP
N65-22306

- SILVESTRI, A. M.
CHROMATIC INDUCTION IN HUMAN EYE BY PULSATING
BLACK AND WHITE FLASHES A65-82265
- SILVESTROV, M. M.
RELIABILITY OF MAN IN MAN-MACHINE SPACECRAFT
CONTROL SYSTEM A65-29944
- HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438
- ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403
- HUMAN RELIABILITY IN SPACECRAFT CONTROL
NASA-TT-F-9428 N65-27714
- SIME, F.
CORRELATION BETWEEN PULMONARY ARTERY PRESSURE AND
LEVEL OF ALTITUDE A65-80016
- SIMINOFF, R.
CUTANEOUS NERVE, ELECTROPHYSIOLOGICAL ACTIVITY IN
RESPONSE TO TEMPERATURE CHANGES OF CAT SKIN
A65-80859
- SIMMONS, D. H.
PULMONARY CIRCULATION AND HEART FUNCTION IN
RESPONSE TO ACID-BASE DISTURBANCES AND BLOOD GASES
A65-82301
- SIMMONS, D. J.
OSTEOLATHYRISM IN MICE AND INHIBITION OF ENDOSTEAL
BONE REACTION IN ESTROGEN TREATED MICE BY AMINO
ACETONITRILE N65-18089
- DIURNAL VARIATIONS IN METABOLIC ACTIVITY OF BONE
AND CARTILAGE N65-18090
- SIMMONS, E. L.
EFFECT OF S, 2,-AMINO-ETHYLISOTHIURONIUM ON IMMUNE
MECHANISM OF X-IRRADIATED MICE DOSED WITH LEUKEMIA
CELLS A65-80170
- HYPEROXIA AND HYPOXIA EFFECT ON RADIATION
LETHALITY, AND EFFECT OF CHRONIC EXPOSURE TO
HIGH PRESSURE OXYGEN ON SURVIVAL OF MICE, RATS,
AND RABBITS N65-19217
- SIMMONS, F. B.
MIDDLE EAR MUSCLE ACTIVITY IN CATS SIMILAR TO
OCULAR MUSCLE MOVEMENT DURING RAPID EYE MOVEMENT
IN SLEEP A65-81483
- SIMMS, N. M.
EFFECT OF ULTRASOUND ON FIBRINOGEN IN HUMAN PLASMA
A65-81378
- SIMON, E.
SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL
COOLING WITHIN VERTEBRAL CANAL A65-80322
- SHIVERING IN ANESTHETIZED DOGS AS FUNCTION OF
LOCAL TEMPERATURE CHANGES IN VERTEBRAL CANAL
A65-80323
- SIMON, J. P.
HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT
A65-80910
- SODIUM AND POTASSIUM LOSSES THROUGH SWEATING
DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS
AND NATIVES A65-80959
- SIMON, W.
ACTION POTENTIAL RECORDED, USING REAL-TIME AND ON-
LINE SORTING OF NEUROELECTRIC ACTION POTENTIALS
A65-30843
- SIMONNET, H.
BIOLOGICAL RHYTHMS AND CYCLES IN ANIMAL
ORGANISMS - A BIBLIOGRAPHY A65-80746
- SIMONOV, P. V.
GALVANIC SKIN RESPONSE EVOKED BY VERBAL COMMAND
A65-80829
- SIMONOV, YE. YE.
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON
MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR
PROLONGED PERIODS N65-13681
- SIMONS, D. G.
PORTABLE BIOMEDICAL MONITORING SYSTEM DETERMINES
RESPONSE PATTERNS THAT IDENTIFY CHANGES IN AROUSAL
OF CENTRAL NERVOUS SYSTEM UNDER FLIGHT STRESSES
INCLUDING SKIN RESPONSE, EEG AND BLOOD PRESSURE
A65-24201
- RESPIRATORY AND SLOW WAVE HEART RATE PATTERNS OF
INDIVIDUALS UNDER AEROSPACE FLIGHT STRESS
SITUATIONS RECORDED BY MEDICAL MONITORING
TECHNIQUES A65-26165
- RESPIRATION, ELECTRODERMAL RESPONSE, BLOOD
PRESSURE, ELECTROCARDIOGRAM, AND
ELECTROENCEPHALOGRAPHY DATA COLLECTED BY PORTABLE
MONITORING SYSTEM UNDER SPACE STRESS CONDITIONS
A65-81283
- MEDICAL MONITORING OF HEART RATE PATTERNS DURING
VARIOUS FLIGHT STRESS SITUATIONS
A65-81292
- COMPUTER PROGRAMMING OF HEART-RATE PATTERNS
INCLUDING BASE HEART RATE AND RESPIRATORY AND
NONRESPIRATORY HEART-RATE REFLEX ACTIVITY
N65-28761
- HEART RATE MONITORING AND ANALYSIS DURING SPACE
ENVIRONMENT SIMULATION
SAM-TR-65-26 N65-31620
- ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT
MONITORING
SAM-TR-65-18 N65-34266
- SIMONS, J. C.
MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED
SUBJECTS WHILE LUNGING, EGRESSING AND LANDING
DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS
A65-24072
- SIMONS, L. A.
EFFECT OF ATTENTION ON EVOKED RESPONSES IN
CLASSICAL AUDITORY PATHWAY IN CATS
A65-81706
- SIMONSON, E.
FOVEAL FLICKER FUSION USING MOVING STIMULUS
A65-82333
- SIMPSON-MORGAN, M. W.
CONTINUOUS RECORDING OF CARBON-14 DIOXIDE AND
OXYGEN CONSUMPTION A65-81153
- SIMPSON, H.
DAILY ADRENAL RHYTHM IN EQUATORIAL AMERINDIANS
MEASURED BY URINARY HYDROXYCORTICOSTEROIDS
A65-81553
- SIMPSON, J.
PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND
SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF
POSITIVE ACCELERATION A65-82145
- SIMPSON, J. M.
FLOTATION PROPERTY OF POLYETHER FOAM AIRCRAFT
PASSENGER SEAT CUSHIONS N65-29755
- SIMPSON, K. M.
SPACE RADIATION SHIELDING CODE FOR SPACECRAFT
GEOMETRY N65-34634
- SIMPSON, L.
INTERACTION OF LASER RADIATION WITH BODY TISSUES
A65-81092
- SIMPURA, S. F.
CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718
- SINCLAIR, W. K.
X-RAY AND ULTRAVIOLET SENSITIVITY OF SYNCHRONIZED
CHINESE HAMSTER CELLS AT VARIOUS STAGES OF CELL
CYCLE A65-80617

- SINGER, G.
COMMENT ON SELF-INDUCED MOVEMENT AS DETERMINANT OF
SPATIAL ADAPTATION A65-81559
- SINGER, J. L.
VISUAL SIGNAL DETECTION DURING
PERFORMANCE OF TWO CONCURRENT
COGNITIVE TASKS A65-80242
- SINGER, M. M.
RESPIRATION AND CEREBROSPINAL FLUID PH IN
METABOLIC ACIDOSIS AND ALKALOSIS IN MAN A65-81905
- SINGH, H.
NERVOUS AND VISUAL ABNORMALITIES DUE TO CARBON
DIOXIDE POISONING TREATED WITH ETHCOPROPAZINE A65-80822
- SINGH, I.
HIGH-ALTITUDE PULMONARY EDEMA AND TREATMENT WITH
PURE OXYGEN AND VARIOUS DRUGS A65-80809
- HIGH ALTITUDE PULMONARY HYPERTENSION IN PERMANENT
AND NEW INHABITANTS OF MOUNTAIN ENVIRONMENT A65-81744
- SINITSYN, S. N.
TOXICITY OF SYNTHETIC, ETHYLATED AND SOME AVIATION
GASOLINES A65-80589
- OXYGEN CONSUMPTION IMPAIRMENT IN ANIMAL TISSUE AND
CELLS BY COMBINED ACTION OF EXPLOSIVE GASES AND
PETROLEUM GAS WITH HYDROGEN SULFIDE N65-25425
- VIBRATION EFFECTS ON CARBOHYDRATE METABOLISM AND
ADRENALINE ACTIVITY UNDER EXPERIMENTAL
CONDITIONS, AND 17-OXYCORTICOSTEROID CONTENT IN
BLOOD OF PATIENTS WITH VIBRATION SICKNESS N65-27030
- JPRS-30845
- SINYUKHIN, A. M.
SYMPOSIUM ON PHYSICOCHEMICAL BASES OF BIOELECTRIC
POTENTIALS N65-33430
- JPRS-31971
- SIPOS, I.
SPATIAL DISCRIMINATION TEST AS TEST OF VISUAL
ACUITY A65-80225
- SIRAK, H. D.
HYPOTHERMIA AND HYPOXIA EFFECT ON PROTEIN
METABOLISM AND ENZYME ACTIVITY OF DOG HEART
MUSCLE A65-80178
- SIROKY, A.
ANALYSIS OF HUMAN ELECTRONYSTAGMOGRAM AND
EVALUATION OF VESTIBULAR APPARATUS FUNCTION A65-80226
- SIRONVAL, C.
CHLOROPHYLLS SEPARATED BY PAPER CHROMATOGRAPHY
FROM CHLORELLA VULGARIS EXTRACTS A65-81323
- SIROVININ, N. N.
EFFECT OF REDUCED REACTIVITY OF ORGANISM ON
RESISTANCE TO EXTREME ACCELERATION AND RADIATION N65-13760
- ADAPTATION TO HYPOXIA AND HIGH ALTITUDE
ACCLIMATIZATION N65-17745
- COMPARATIVE PHYSIOLOGY OF HIGH MOUNTAIN HYPOXIA
ACCLIMATIZATION N65-17752
- EFFECT OF CLIMATIC FACTORS ON ACCLIMATIZATION TO
HIGH ALTITUDE ENVIRONMENTS N65-32377
- JPRS-31761
- SISAKIAN, N. M.
ECOPHYSIOLOGICAL PROBLEMS CONCERNED WITH BEHAVIOR
AND REACTIONS OF LIVE ORGANISMS EXPOSED TO SPACE
CONDITIONS A65-29945
- VOSTOK V AND VI BIOLOGICAL EXPERIMENTS
CONCERNING COSMIC RADIATION EFFECTS ON GENETIC
CHARACTERISTICS OF PLANT SEEDS, CELLS AND FRUIT
- FLIES A65-30689
- PHYSIOLOGICAL RESPONSES DURING FIRST SOVIET
SPACECRAFT RENDEZVOUS IN FLIGHT A65-81301
- BIOASTRONAUTICS AND SPACE MEDICINE N65-11306
- NASA-TT-F-9155
- PHYSIOLOGICAL EFFECTS OF SPACE ENVIRONMENT ON
LIFE ACTIVITIES AND TERRESTRIAL ORGANISMS N65-33071
- JPRS-31954
- PROBLEMS IN SPACE ECOLOGICAL PHYSIOLOGY N65-33958
- NASA-TT-F-9545
- SISKEL, M., JR.
INTRA-CREW COMMUNICATIONS IN B-52 AND KC-135
AIRCRAFT DURING PEACETIME TRAINING FLIGHTS AS
FUNCTIONS OF CREW EXPERIENCE AND SELECTED
MISSION SEGMENTS N65-30156
- AMRL-TR-65-18
- SISSONS, H. A.
CALCIUM ACCRETION AND BONE FORMATION IN DOGS N65-18088
- SITTERSON, B. W.
GRAM-NEGATIVE INFECTIONS AND FUNGI IN PATIENTS
EXPOSED TO TOTAL BODY IRRADIATION N65-25658
- SKEWES, H. B.
CHROMATOGRAPHIC STUDY OF FREE AMINO ACIDS ON
HUMAN FINGERS AS CONTAMINATION FACTOR IN
MICROANALYSIS OF SUCH ACIDS ON METEORITES A65-34670
- SKIDMORE, R. A.
CREW WORK STATION SIMULATORS DESIGN AND EVALUATION A65-10700
- SKILLERN, C. P.
HUMAN RESPONSE TO SOUND PRESSURE LEVELS FROM
ULTRASONIC DEVICES A65-81250
- SKINNER, J. S.
PHYSICAL EXERCISE AND CARDIOVASCULAR HEALTH A65-80202
- ENDURANCE EXERCISE EFFECT ON PHYSICAL WORK
CAPACITY AND ANTHROPOMETRIC MEASUREMENTS
OF MIDDLE-AGED MEN A65-80203
- ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN A65-80204
- BALLISTOCARDIOGRAPHIC STUDY OF PHYSICAL
CONDITIONING EFFECT ON CARDIOVASCULAR FUNCTION A65-80205
- SKLANSKY, J.
MARKOV CHAIN MODEL ANALYSIS OF ADAPTIVE PROCESSES
IN LIFE SCIENCES AND HUMAN ENGINEERING N65-22477
- AMRL-TR-65-3
- SKLENOVSKY, A.
BRAIN DISORDERS AND LEVELS OF AMINO
ACIDS OF RAT DURING ANOXIA A65-80230
- SKOULTCHI, A. I.
VERIFICATION OF ORGANISM SURVIVAL / ARTEMIA CYSTS/
AT TEMPERATURES NEAR ABSOLUTE ZERO, SHOWING THAT
INFORMATION NECESSARY FOR LIVING SYSTEM
SPECIFICATION IS STORED IN ATOM CONFIGURATION A65-31004
- SKOV, E. R.
ELECTROENCEPHALOGRAPHY ELECTRODES FOR IN-FLIGHT
MONITORING N65-34266
- SAM-TR-65-18
- SKREBITSKII, V. G.
SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY
AUDITORY STIMULUS A65-80986
- INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF
NEURONS OF OPTIC ZONE DURING ACTION OF SOUND
STIMULUS A65-81626

- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF
CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND
SOUND STIMULI
JPRS-31467 N65-31531
- SKRYABIN, G. K.
ALIPHATIC AND CYCLIC HYDROCARBON ASSIMILATION
BY MICROORGANISMS
JPRS-32055 N65-33204
- SKUJINS, J.
ENZYME ACTIVITY IN TERRESTRIAL SOIL RELATIVE TO
EXPLORATION OF MARTIAN SURFACE
NASA-CR-57585 N65-20625
- SKURIKHINA, M. M.
METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT N65-13765
- SLABOSPITSKII, A. A.
MICROWAVE IRRADIATION EFFECT ON SKIN LESIONS OF
WHITE RATS AND RABBITS A65-20936
- SKIN LESIONS ON WHITE RATS AND RABBITS CAUSED BY
MICROWAVE RADIATION N65-28707
- SLABOSPITSKYI, O. O.
MECHANISM OF ACTION OF MICROWAVES OF SKIN IN
ALBINO RATS AND RABBITS A65-81699
- SLAK, S.
INTERMITTENT ILLUMINATION EFFECTS ON PERCEPTUAL
MOTOR PERFORMANCE A65-82292
- SLATER, L. E.
MICROELECTRONIC TECHNIQUES APPLIED TO BIOLOGICAL
INSTRUMENTATION WITH ATTENTION TO NEUROCIRCUITS
A65-26447
- SLAVIN, J. W.
RESEARCH ON RADIOPASTEURIZATION OF FISH - OPTIMUM
DOSE AND ACCEPTANCE LEVELS, SUITABILITY OF
PLASTIC MATERIALS FOR PACKAGING, CHANGES IN
FLAVOR AND ODOR FROM IRRADIATION AND STORAGE
TID-21600 N65-22094
- SLAWSON, A. W.
LOUDNESS FOUND TO BE PROPORTIONAL TO VOLUME TIMES
DENSITY A65-81168
- SLESER, I.
GRADUAL AROUSAL FROM SLEEP - A DETERMINANT OF
THINKING RATHER THAN DREAMING REPORTS A65-82046
- DREAM AND THINKING REPORTS FOLLOWING AROUSAL FROM
RAPID EYE MOVEMENT SLEEP A65-82223
- SLIOSBERG, R.
SPINAL PAIN REACTION IN PILOTS AFTER MANY FLIGHT
HOURS IN HELICOPTERS A65-81819
- SLONIM, A. D.
GAS EXCHANGE REGULATION IN HYPOXEMIA
N65-17779
- SLOVIC, P.
SEEKING INFORMATION TO REDUCE RISK OF DECISIONS
A65-81578
- SMETANKIN, G. N.
RELATIONSHIP BETWEEN CEREBRAL CORTEX, HYPOTHALAMUS
AND MEDULLA OBLONGATA IN REGULATING BLOOD PRESSURE
IN CATS A65-80761
- SMILEY, J. R.
NYSTAGMUS INDUCED BY ANGULAR ACCELERATION AS
AFFECTED BY HYPOXIA A65-82369
- SMIRENNYI, L. N.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED
SPACE FLIGHTS A65-29943
- MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS A65-80539
- RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715
- SMIRNOV, M. S.
COLOR PERCEPTION IN HUMAN BY CUTANEOUS MEANS
A65-81230
- SMIRNOVA, N. P.
REACTION OF AUTONOMIC CENTERS OF HYPOTHALAMUS AND
CEREBELLUM TO IONIZING RADIATION A65-80650
- SMITH, A. E.
BARLEY SEED, HORDEUM DISTRICHUM, GROWTH RATE AS
AFFECTED BY MAGNETIC FIELDS A65-80423
- AGGLUTINATION OF HUMAN ERYTHROCYTES EXPOSED TO
MAGNETIC FIELDS DETERMINED BY VISUAL INSPECTION
AND COUNTER COUNTER A65-80427
- SMITH, A. H.
LONG TERM CENTRIFUGAL ACCELERATION INDUCED
SICKNESS IN LEGHORN CHICKEN, NOTING REVERSIBILITY
A65-16561
- INCLINATION AND APPARENT SHAPE OF WHITE CIRCLE AND
RECTANGLE ESTIMATED UNDER MONOCULAR AND BINOCULAR
REDUCTION CONDITIONS A65-22465
- OBSERVER JUDGMENT OF HOMOGENEOUS WHITE FORMS,
SLANT AND SHAPE UNDER REDUCED MONOCULAR VIEWING
AND AT VARIOUS DEGREES GEOMETRIC SLANT A65-22466
- PATHOLOGICAL EFFECTS OF ACCELERATION STRESS
ON SKIN, DIGESTIVE, CIRCULATORY, AND
REPRODUCTIVE SYSTEMS OF CHICKEN A65-80383
- INTERACTION OF FORM AND EXPOSURE TIME IN
PERCEPTION OF SLANT A65-81004
- WEIGHT LOSS AND HATCHABILITY OF FERTILE EGGS FROM
DOMESTIC FOWL AND JAPANESE QUAIL EXPOSED TO
ACCELERATIVE FORCE A65-82149
- MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO
ACCELERATIVE FORCE A65-82155
- SMITH, A. O.
FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE,
CHLORELLA PYRENOIDOSA A65-80618
- SMITH, D.
EFFECT OF DRUGS AND HYPERBARIC OXYGEN ENVIRONMENT
ON EXPERIMENTAL KEROSENE PNEUMONITIS IN RATS
A65-81202
- SMITH, D. E.
ANTIGEN DISAPPEARANCE FROM BLOOD IN GROUND
SQUIRRELS, CITELLUS TRIDECIMLINEATUS, IN
HIBERNATION FOR 14, 28 AND 56 DAYS A65-81462
- SMITH, E. A.
FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED
PROGRAMMED INSTRUCTION
AMRL-TR-65-78 N65-30119
- FEASIBILITY OF MODULAR DESIGN FOR AUDIOVISUAL
AUTOINSTRUCTIONAL EQUIPMENT
AMRL-TR-65-79 N65-30136
- SMITH, E. E.
WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND
LEADERSHIP A65-81126
- SMITH, G.
OXYGEN BREATHING AS THERAPY FOR CARBON MONOXIDE
POISONING A65-81511
- SMITH, G. B., JR.
PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF VARIOUS
CABIN ATMOSPHERE CONDITIONS FOR APOLLO AND
GEMINI PROJECTS
NASA-TN-D-2506 N65-14451
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454

- SMITH, G. M.
DRUGS AND JUDGEMENT - EFFECT OF AMPHETAMINE AND
SECOBARBITAL ON SELF-EVALUATION A65-80004
- SMITH, J. L.
AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHLEY/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499
- SMITH, J. M.
WETTING AND NONWETTING SURFACES TO CONTROL WATER
AND GAS PHASES IN LIFE-SUPPORT EQUIPMENT IN LOW G
ENVIRONMENT, NOTING HUMIDITY CONTROL, LIQUID WASTE
COLLECTION, DISTILLATION AND MANAGEMENT OF WATER
AND OXYGEN SUPPLIES A65-28630
- TWO-GAS REGENERATIVE LIFE SUPPORT SYSTEM FOR
PRESSURE, THERMAL AND HUMIDITY CONTROL, WATER
RECLAMATION, ATMOSPHERIC CIRCULATION, CARBON
DIOXIDE AND TRACE CONTAMINANT REMOVAL
AIAA PAPER 65-501 A65-29441
- SMITH, J. R.
SLIDE RULE FOR CALCULATING SINGLE-BREATH DIFFUSING
CAPACITY FOR CARBON MONOXIDE A65-80512
- SMITH, K. J.
NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846
- NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601
- SMITH, K. U.
SENSORY-FEEDBACK ANALYSIS OF BEHAVIOR IN
STEREOTELEVIEWED VISUAL FIELD A65-80344
- SMITH, L.
VIEWING-ANGLE AND SYMBOL-SIZE EFFECT ON TIME TO
RECOGNITION OF FAMILIAR WORDS
W-07004 N65-17144
- SMITH, L. E.
REACTION TIME AND SPEED OF MOVEMENT OF SUPPORTED
LIMB AS AFFECTED BY MUSCULAR STRETCH, TENSION, AND
RELAXATION A65-80524
- PRE-TENSED AND FREE-ARM SPEED AS AFFECTED BY
STRENGTH TRAINING A65-80525
- INDIVIDUAL DIFFERENCES IN MAXIMAL SPEED OF
MUSCULAR CONTRACTION AND REACTION TIME A65-82331
- SMITH, L. W.
MAGNETIC FIELD EFFECT ON WOUND HEALING AND TISSUE
REGENERATION IN MOUSE A65-80421
- SMITH, M. C.
FORWARD AND BACKWARD MASKING IN VISUAL PERCEPTION
A65-82285
- SMITH, M. J.
TRYPSIN ACTIVITY, ULTRAVIOLET ABSORPTION, AND -SH
GROUP RELEASE UPON EXPOSURE TO ULTRAVIOLET
IRRADIATION AND MAGNETIC FIELD A65-80430
- SMITH, P. E., JR.
HUMIDITY AS FACTOR IN ASSESSING THERMAL STRESS
IMPOSED ON MEN WORKING IN HOT ENVIRONMENT, NOTING
HEART RATE A65-28377
- SMITH, P. L.
MEDICAL APPLICATIONS OF AEROSPACE SCIENCE AND
TECHNOLOGY
NASA-CR-64601 N65-33128
- SMITH, R.
ANOXIA AND TREATMENT IN ACCIDENTAL HYPOTHERMIA
A65-80009
- SMITH, R. E.
COLD ACCLIMATIZATION EFFECT ON WEIGHT, TOTAL
PROTEIN CONTENT, AND ENZYMIC ACTIVITY OF BROWN
FAT OF HAMSTERS A65-80096
- THERMOGENIC FUNCTION OF BROWN ADIPOSE TISSUE OF
RAT EXPOSED TO COLD A65-81471
- SMITH, R. F.
ANALOG COMPUTER AS AREA INTEGRATOR FOR
ELECTROCARDIOGRAM
REPT.-1 N65-10218
- COMPUTER CALCULATIONS FOR INTERPRETATION OF
ELECTROCARDIOGRAM AND VECTORCARDIOGRAM RESULTS
FROM EXERCISE TESTS ON AVIATORS
REPT.-3 N65-15277
- SMITH, R. G., JR.
QUALITY CONTROL SYSTEM IN MILITARY TRAINING
PROGRAM
TR-65-6 N65-33767
- SMITH, S.
CONTROL-DISPLAY COMPATIBILITY AND MONITORING CUES
IN MULTIPLE TASK PERFORMANCE A65-81563
- SMITH, T. E.
SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED,
EXPOSURE TIME, AND DISTANCE A65-80517
- SMITH, W. J.
PREDICTING DECISION MAKING BEHAVIOR FROM
PERSONALITY AND COGNITIVE VARIABLES
ESD-TDR-64-619 N65-17012
- SMITH, W. W.
CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY A65-81868
- SMOLUCHOWSKI, R.
MARS COLOR CHANGES EXPLAINED ON BASIS OF PHYSICAL
MODEL A65-81159
- SMULYAN, H.
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS A65-81144
- SMYLIE, R. E.
LIFE SUPPORT SYSTEMS IN MANNED SPACECRAFT,
DETAILING ENVIRONMENT CONTROL AND WATER AND WASTE
MANAGEMENT A65-12545
- SMYSER, M.
HEMATOLOGIC RESPONSES TO TOTAL BODY IRRADIATION
IN HUMAN BEING N65-25659
- SMYTHE, D. S.
CLEARANCE OF CARBON, SALMONELLA THYPHIMURIUM,
AND STAPHYLOCOCCUS AUREUS FROM MOUSE BLOOD
AS FUNCTION OF TEMPERATURE - DILUTION COUNT AND
RADIOACTIVE TRACING MEASUREMENTS
AAL-TDR-64-14 N65-27531
- ENZYME INDUCTION AND CORTISONE PROTECTION IN
ENDOTOXIN-POISONED MICE
AAL-TDR-64-8 N65-30826
- SNADOWSKY, A. M.
MISREGISTRATION IN COLOR ADDITIVE DISPLAYS - HUMAN
ENGINEERING
RADC-TDR-64-488 N65-17906
- SNIAKIN, P. G.
CHEMICAL BASIS OF CUTANEOUS PERCEPTION IN MAN AS
AFFECTED BY LIGHT A65-80798
- SNYDER, A. W.
VISIBLE LIGHT PROPAGATION IN CONES OF HUMAN
RETINA, USING ELECTROMAGNETIC ANALYSIS OF SPECTRAL
RESPONSE A65-32883
- SNYDER, F.
AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM
N65-25668
- SNYDER, F. W.
VIBRATION ENVIRONMENT IN SPACE FLIGHT AND EFFECT
ON HUMAN VISUAL CAPABILITIES A65-35496
- SNYDER, H. L.
STAR SIZE AND INTENSITY, SKY LUMINANCE AND FIELD
HETEROGENEITY EFFECTS ON PERCEIVED REALISM OF

- PROJECTED STAR FIELD FOR SPACE ENVIRONMENT
SIMULATION A65-35493
- AIR TO GROUND TARGET RECOGNITION - TELEVISION
CAMERA LENS FIELD OF VIEW EFFECT
T5-133/3111 N65-22869
- LABORATORY SIMULATION EXPERIMENT TO DETERMINE
EFFECT OF TARGET TYPE AND GROUND SPEED ON
AIR-TO-GROUND TARGET RECOGNITION
T5-990/3111 N65-29239
- SNYDER, J. J.
ELECTROANESTHESIA IN LARGE ANIMALS
N65-16630
- SNYDER, R. E.
HEAT TRANSFER FLUIDS IN COLD PLATE HEAT EXCHANGER
COMPARED IN TERMS OF RELATIVE FLOW AND PUMPING
POWER REQUIREMENTS
AICE PREPRINT 54C A65-15253
- MANNED SPACE CABIN SIMULATOR FOR TESTS TO EVALUATE
ADVANCED LIFE SUPPORT SYSTEMS OPERATION AND
MAINTENANCE
AIAA PAPER 65-502 A65-30218
- SNYDER, R. G.
IMPORTANCE OF ANTHROPOLOGY IN AEROSPACE AREA OF
FEDERAL RESEARCH. A65-82009
- FACTORS FOR SURVIVAL AND PROTECTION FROM IMPACT
INJURY - STUDY OF CASES OF WATER IMPACT
A65-82120
- FREE FALLS SURVIVED BY HUMANS IMPACTING WATER
ENVIRONMENTS UNDER HIGH VELOCITY
N65-29760
- MEDICAL RESEARCH - SURVIVAL OF HIGH VELOCITY FREE-
FALLS IN WATER BY INDIVIDUALS
AM-65-12 N65-30597
- SNYDER, S. H.
CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT
OF RAT PINEAL GLAND A65-80654
- SOBEL, M.
PROBABILITY - GROUP TESTING TO CLASSIFY RANDOM
SAMPLE OF KNOWN UNITS INTO GOOD AND DEFECTIVE
CATEGORIES
ORC-65-4 N65-26585
- SOBOL, B. J.
DETERMINANTS OF FORCED VITAL CAPACITY AND
EXPIRATORY VOLUME AS RELATED TO AGE AND SEX
A65-80051
- SOBOL, N. V.
FORMULAS AND NOMOGRAMS FOR DETERMINING CONSUMPTION
OF AIR AND FREQUENCY OF AIR EXCHANGE IN
IRRADIATION CHAMBERS N65-24941
- SOBRON, E. M.
VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS A65-81804
- CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS A65-81806
- SOFFEN, G. A.
ATMOSPHERIC COLLECTION OF MICROORGANISMS USING
SMALL BIOLOGICAL SAMPLER IN UPPER ATMOSPHERE
N65-24000
- SOHAR, E.
PHYSICAL EFFORT AS MAIN CAUSE OF HEAT STROKE IN
ACCLIMATIZED, SWEATING MEN WITH INTACT HEAT
DISSIPATION MECHANISM A65-80898
- PREVENTING VOLUNTARY DEHYDRATION DURING PHYSICAL
ACTIVITY IN HOT ENVIRONMENT AND RELATION TO
APPETITE AND BODY TEMPERATURE A65-80900
- SODIUM REQUIREMENTS AND DIET IN ISRAEL UNDER
CONDITIONS OF WORK IN HOT CLIMATE
A65-80957
- SOHOEL, T.
SOUND LOCALIZATION IN FREE FIELD AND INTERAURAL
THRESHOLD DIFFERENCES A65-80037
- SOIVIO, A.
HIBERNATION OF HEDGEHOG, ERINACEUS
EUROPAEUS - PERIODICITY OF HIBERNATION OF
UNDISTURBED ANIMALS DURING WINTER AT CONSTANT
AMBIENT TEMPERATURE A65-81764
- HIBERNATION IN HEDGEHOG, ERINACEUS
EUROPAEUS - CHANGES OF RESPIRATORY PATTERN TO
GRADUALLY DECREASING OR INCREASING AMBIENT
TEMPERATURE A65-81765
- SOKOLIANSKIY, I. F.
OXYGEN TENSION IN HUMAN MUSCLE DURING OXYGEN
BREATHING AT NATURAL HIGH ALTITUDES AND DURING
SIMULATED ALTITUDE A65-81873
- SOKOLINSKAYA, R. A.
ADRENALINE AND BIOLOGICAL ACTIVITY OF BLOOD OF
NERVOUS SYSTEM
FTD-TT-63-1170/162 N65-11760
- SOKOLOVA, E. M.
EFFECT OF INTRAVENOUS INJECTIONS OF CYSTAMINE ON
PANCYTOPENIC SYNDROME IN ACUTE RADIATION SICKNESS
IN DOGS A65-82182
- SOKOLOVA, G. P.
LIPID AND CARBOHYDRATE RENEWAL IN BRAIN AND LIVER
IN HYPOXIA N65-17814
- SOKOLOVA, I. K.
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS
A65-80539
- SOKOLOVA, M. M.
PATHOMORPHOLOGICAL CHANGES IN DOGS AND MONKEYS
SUBJECTED TO TRANSVERSE ACCELERATIONS
N65-13745
- SOKOLOVSKIY, YU. P.
MEDICAL ELECTRONIC EQUIPMENT PERFORMANCE
RELIABILITY - BIDELECTRICALLY CONTROLLED
PERFUSION PUMP FOR ARTIFICIAL BLOOD CIRCULATION
JPRS-29836 N65-22120
- SOKOTOWSKI, E.
EFFECT OF BREATHING UNDER PRESSURE ON VISION IN
HUMAN SUBJECTS A65-81942
- SOLBRIG, C. W.
IGNITION CHARACTERISTICS OF FIVE DIFFUSION-PUMP
FLUIDS IN PURE OXYGEN ATMOSPHERES AT LOW PRESSURES
IN COMBUSTION-BOMB EXPERIMENTS A65-34083
- SOLEILHAVOUP, J. P.
EFFECT OF NATURAL IONIZING RADIATION ON
GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM
A65-81254
- SOLIDAY, S. M.
PHYSIOLOGICAL AND PERFORMANCE RESPONSES OF PILOTS
IN SIMULATED 500 FT ALTITUDE HIGH SPEED FLIGHT
WITH ATTENTION TO TFX TYPE AIRCRAFT
A65-18428
- PERFORMANCE AND PHYSIOLOGICAL RESPONSES OF PILOTS
IN SIMULATED LOW-ALTITUDE HIGH SPEED FLIGHT
A65-80533
- NAVIGATION AND EMERGENCY TASK LOADING EFFECT
ON PILOT PERFORMANCE DURING LOW ALTITUDE HIGH
SPEED FLIGHT SIMULATION
USATRECOM-TR-64-69 N65-24254
- SOLITARIO, M. A.
ATMOSPHERIC CONTAMINANTS CAUSED BY MAN, MATERIALS
AND PROCESSES AND DETECTION AND CONTROL FOR LIFE
SUPPORT SYSTEM A65-15628
- SOLLEY, C. M.
INFLUENCE OF REPEATED EXPERIENCE ON LATENCY AND
EXTENT OF AUTOKINETIC MOVEMENT A65-81750

- SOLOFF, L. A.**
STROKE VOLUME AND CARDIAC OUTPUT AFTER SMOKING IN POSTPRANDIAL AND IN FASTING STATE IN RELATION TO GLUCOSE INTAKE A65-80447
- SOLOMON, P.**
BUTTON-PRESSING FOR TIME-OFF REWARD DURING SENSORY DEPRIVATION AS FUNCTION OF RELATIVE COMFORT A65-80253
- REACTIONS OF EXTROVERTS AND INTROVERTS TO SENSORY DEPRIVATION A65-81654
- SOLOMONS, C. C.**
MECHANICAL FORCE EFFECT ON PHOSPHORUS 32 RELEASE FROM SACRIFICED MALE RAT FEMURS IN VITRO A65-16559
- SOLVSTEEN, P.**
MEASUREMENT OF LUNG DIFFUSING CAPACITY IN CYCLICALLY AND CONTINUOUSLY VENTILATED CLOSED SYSTEMS A65-80309
- MEASURING LUNG DIFFUSION CAPACITY USING REBREATHING METHOD IN SUBJECTS WITH NONUNIFORM VENTILATION A65-80310
- SOMANI, S.**
RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN PROTOBIOCHEMISTRY - ABIOTIC GENESIS NASA-CR-63560 N65-27062
- SOMASUNDARAM, S.**
PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS AET/HP/TH-21 N65-31022
- SOMMER, H. C.**
COMPARATIVE ACOUSTICAL DATA FOR TRAINING MODEL AND FLIGHT-READY MODEL OF DYNA- SOAR X-20A FULL PRESSURE SUIT ASSEMBLIES AMRL-TR-65-86 N65-31630
- SOMMER, N. F.**
IRRADIATION OF FRUITS AND VEGETABLES TO EXTEND SHELF LIFE UCD-34P80-2 N65-18999
- SONDHAUS, C. A.**
BIOLOGICAL EFFECT OF HIGH ENERGY PROTONS AND ALPHA PARTICLES ON SMALL ANIMALS - RADIATION EFFECTS N65-34585
- PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE SPHERES AND SLABS N65-34611
- SOPER, W. T.**
VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL CULTURES N65-22311
- SOREN, A.**
NATURE AND BIOPHYSICAL EFFECTS OF ULTRASOUND A65-81735
- SORENSEN, E. W.**
EMBOLISM AND PAROXYSMAL AURICULAR FIBRILLATION NASA-TT-F-8552 N65-18178
- SORENSEN, P. H.**
FEASIBILITY OF AUTOMATING SENSORIMOTOR SKILL TRAINING, AND USE OF CDC 160-A COMPUTER TO TEACH PSYCHOMOTOR TASK NAVTRADEVEN-1517-1 N65-31206
- SORET, F.**
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963 A65-80875
- SORINSON, S. N.**
DISRUPTION OF CARBON DIOXIDE INTERCHANGE IN CHRONIC HYPOXIA, PATHOGENESIS, AND PATIENT TREATMENT N65-17800
- CHANGES IN INDICES OF CARDIOVASCULAR SYSTEM AND RESPIRATION OF SCHIZOPHRENIA PATIENTS UNDER MOUNTAIN ENVIRONMENT CONDITIONS N65-17837
- SOROKIN, G.**
CELL AGING AS DECLINE IN METABOLIC ACTIVITY DUE TO ENZYME SYSTEM DEGRADATION AND MALNUTRITION, OVER-CROWDING AND DISEASE IN MULTICELLULAR SYSTEMS A65-18287
- ORGANIC SYNTHESIS OF HIGH TEMPERATURE CHLORELLA SEPARATED INTO SMALL OR LARGE CELLS BY FRACTIONAL CENTRIFUGATION A65-18708
- TEMPERATURE AND LIGHT INTENSITY EFFECTS ON CELL DIVISION IN SYNCHRONIZED SUSPENSIONS OF HIGH TEMPERATURE STRAIN CHLORELLA 7-11-05 A65-32939
- SYNTHETIC ACTIVITY DURING NONSYNCHRONIZED GROWTH CHLORELLA, SEPARATED INTO AGE GROUPS BY FRACTIONAL CENTRIFUGATION A65-80505
- PHOTOSYNTHETIC ACTIVITY IN SMALL AND LARGE CELLS OF CHLORELLA PYRENOIDOSA, 7-11-05 A65-80811
- PHOTOSYNTHESIS IN CHLORELLA CELL DEVELOPMENT AND AGING A65-15802
- VAN SLYKES BUFFER VALUES FOR CHLORELLA CELL SECRETIONS INTO SURROUNDING MEDIUM N65-15803
- ACTIVITY VARIATIONS OF PHOTOSYNTHETIC MECHANISMS IN GREEN PLANT CELLS N65-16813
- BUFFERING OF ALGAE - CELL DIVISION OF CHLORELLA N65-16814
- SOROKINA, E. I.**
EFFECT OF INCLINED POSITIVE ACCELERATION ON HUMAN EXTERNAL RESPIRATION A65-80398
- SOSKA, J.**
EFFECT OF DEOXYRIBONUCLEOTIDES ON MITOSIS AND CAPACITY TO INTENSIFY DEOXYRIBONUCLEIC ACID SYNTHESIS AFTER RADIATION N65-23461
- SOUREK, K.**
REFLEX SKIN POTENTIAL REACTIONS IN MAN UNDER VARIOUS PHYSIOLOGICAL CONDITIONS N65-29032
- SOUSSEN, G.**
ELECTROENCEPHALOGRAPHY IN DIAGNOSIS OF EPILEPSY IN FLYING PERSONNEL A65-80121
- SOUTH, F. E.**
TEMPERATURE EFFECTS ON ANIMAL MUSCULAR HEART FUNCTION N65-16625
- SOUTHARD, J. F.**
BAYESIAN HYPOTHESIS SELECTION IN MAN-MACHINE SYSTEMS PERFORMING THREAT DIAGNOSES WITH SUBJECT CONTROL AMRL-TR-64-95 N65-12132
- INFLUENCE OF EXPERIENCE AND INPUT INFORMATION FIDELITY ON POSTERIOR PROBABILITY ESTIMATION IN SIMULATED THREAT-DIAGNOSIS SYSTEM AMRL-TR-65-25 N65-27188
- SPALDING, J. M. K.**
CENTRAL BODY AND TRUNK SKIN TEMPERATURE EFFECT ON REFLEX VASODILATATION IN HAND A65-80189
- SPANGENBERG, H. D.**
RADIOACTIVE NUCLIDES FOR CLINICAL RADIOGRAPHY REPT.-5 N65-13532
- SPASIC, P.**
PULMONARY FUNCTION IN SITTING OR HORIZONTAL POSITION DURING BED REST A65-82312
- SPASSKIY, V. A.**
HIGH ALTITUDE PRESSURE SUITS AND HERMETICALLY SEALED CABINS FOR STRATOSPHERIC FLIGHTS ATU-P-65-13 N65-19784
- SPASSOWSKI, M.**
OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND

- CARBON DIOXIDE A65-81205
- SPECHT, D. F.
BIOMEDICAL DATA COMPRESSION BY POLYNOMIAL CURVE
FITTING AND CYCLE-TO-CYCLE REDUNDANCY REDUCTION,
NOTING EKG AND EEG APPLICATION A65-24203
- SPECKMANN, E. W.
NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED
DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL
STRESS A65-19846
- PROLONGED BED REST EFFECT ON HUMAN BODY FUNCTIONS
N65-18587
- NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED
STRESS OF SPACE ENVIRONMENT N65-18601
- SPECTOR, R. G.
ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA
A65-82052
- SPEER, H. L.
LOCALIZATION AND MECHANISM OF RAT LIVER PROTEIN
SYNTHESIS BY ALKALI METALS AND AMMONIUM IONS
NASA-TM-X-51788 N65-21477
- SPEKREYSE, H.
LINEARIZATION OF EVOKED RESPONSES OF CEREBRAL
CORTEX TO SINE WAVE-MODULATED LIGHT BY NOISE
A65-81346
- SPEKTOROV, K.
SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA
PRINGSB. 82 WITH VARIOUS FORMS OF NITROGEN
SOURCES, OBSERVING GROWTH A65-32567
- SPEKTOROVA, L. V.
BIOLOGICAL PARAMETERS OF GROWTH CYCLE OF
SYNCHRONOUS CULTURE OF THERMOPHYLIC ALGA,
CHLORELLA PYRENOIDOSA A65-80941
- SPELLS, K. E.
THRESHOLD CONDITIONS FOR PRODUCTION OF BURNS ON
RETINA OF EYE BY RADIATION - MATHEMATICAL
THEORY
FPPC/1222 N65-23616
- SPENCER, F. C.
PROLONGED MECHANICAL VENTILATION FACTORS AFFECTING
DELIVERED OXYGEN CONCENTRATIONS AND RELATIVE
A65-81402
- SPENCER, G. T.
RATE OF CHANGE OF CARBON DIOXIDE TENSION IN
ARTERIAL AND JUGULAR VEIN BLOOD AND CISTERNAL
CEREBROSPINAL FLUID DURING BREATHING AIR MIXTURE
CONTAINING 5 PERCENT CARBON DIOXIDE IN HUMAN
PATIENTS A65-82073
- SPENCER, H. T.
STEADY-STATE AND SYNCHRONOUS GROWTH OF CHLORELLA
PYRENOIDOSA A65-80015
- SPENCER, W. A.
BEDREST AND ISOMETRIC EXERCISES EFFECT ON
CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-
HYDROXYCORTICOSTEROIDS A65-26168
- PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294
- MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMTRY A65-81312
- LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST
NASA-CR-171 N65-17876
- PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN
NASA-CR-172 N65-18500
- COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
- NASA-CR-174 N65-18501
- VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502
- BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST
NASA-CR-173 N65-20471
- CARDIAC AND VENTILATORY RESPONSE TO BICYCLE
ERGOMETER TEST
NASA-CR-177 N65-20472
- EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473
- BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182 N65-20474
- EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159
- BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL
INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND
EXERCISE ON CARDIOVASCULAR RESPONSES
N65-28763
- PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820
- EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT
NASA-CR-175 N65-33542
- SPERLING, G.
TEMPORAL AND SPATIAL VISUAL MASKING - MASKING BY
IMPULSE FLASHES A65-81015
- SPERLING, H. G.
FLASH BLINDNESS AS FUNCTION OF WAVELENGTH
SPECIFICITY A65-81095
- SPERO, L.
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY N65-22299
- SPERTZEL, R. O.
PLATELET SIZE DISTRIBUTION FOLLOWING X-RAY
EXPOSURE OF STAINED BLOOD FILMS
UR-663 N65-24622
- SPEZIA, C. A.
TOXIC CONTAMINATION OF MANNED SPACECRAFT CABINS
LR-17744 N65-20120
- SPICER, G. S.
ISOLATION, RADIOCHEMICAL PURIFICATION, COUNTING,
AND CALCULATION OF STRONTIUM 90 AND STRONTIUM 89
CONTENT OF BIOLOGICAL MATERIALS
AERE-AM-101 N65-25163
- SPICER, W. S., JR.
MEASUREMENT OF UPPER AND LOWER AIRWAY RESISTANCE
AND CONDUCTANCE IN NORMAL, ASTHMATIC, AND
BRONCHITIC SUBJECTS A65-80069
- SPIEGEL, E. A.
VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND
BASAL GANGLIA IN CATS A65-80839
- SPIGEL, I. M.
LIFT REACTION TIME AND TOPOGRAPHIC COMPATIBILITY
OF THE STIMULUS-RESPONSE FIELD A65-80518
- SPILKA, B.
TIME PERSPECTIVE - TIME PERCEPTION RELATIONSHIP

- SPINELLI, D. N.
CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81856
- SPINELLI, D. N.
CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81931
- SPIOCH, F. M.
BLOOD HISTAMINE AND HISTIDINE DURING HEMODYNAMIC
CHANGES OF MEN EXPOSED TO HIGH ENVIRONMENTAL
TEMPERATURE
A65-81181
- BIOCHEMICAL DATA CORRELATION IN HARVARD STEP-UP
FUNCTION TEST AS INDICATIVE OF PHYSICAL FITNESS
A65-81719
- SPIRIN, A. S.
PROTEIN BIOSYNTHESIS FROM GENETIC CODING TO
SYNTHESIS OF PROTEIN IN RIBOSOMES AND RIBOSOMAL
STRUCTURE
N65-25724
- SPITZ, W. U.
TECHNIQUES OF IDENTIFICATION APPLIED TO 81
EXTREMELY FRAGMENTED AIRCRAFT FATALITIES
A65-81231
- SPOENDLIN, H. H.
SENSORY HAIR STRUCTURE LOCATED IN GRAVITY
RECEPTORS IN UTRICLE AND SACCCULE OF SQUIRREL
MONKEY AND GUINEA PIG
A65-25239
- OTOLITH ORGAN ULTRASTRUCTURE IN SQUIRREL MONKEYS
AFTER EXPOSURE TO HIGH LEVELS OF GRAVITOINERTIAL
FORCE UP TO 10 MIN IN DIFFERENT BODY /HEAD/
POSITIONS
A65-26164
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS IN DIFFERENT POSTURES AFTER EXPOSURE TO
HIGH LEVELS OF GRAVITOINERTIAL FORCE
A65-81291
- ULTRASTRUCTURE OF OTOLITH ORGANS IN SQUIRREL
MONKEYS AFTER HIGH LEVEL GRAVITATIONAL AND
INERTIAL FORCE EXPOSURE
NASA-CR-57274
N65-19692
- SPONG, P.
SELECTIVE SHORT TERM ATTENTIVENESS AND CORTICAL
EVOKED RESPONSES IN HUMAN BEINGS TO ALTERNATE
FLASHING LIGHT AND AUDITORY CLICKS
A65-22675
- SELECTIVE ATTENTIVENESS AND CORTICAL EVOKED
RESPONSES IN MAN TO VISUAL AND AUDITORY STIMULI
A65-80870
- SPRENG, M.
AUDIOMETRIC ASPECTS AND MULTISENSORY
POWER-FUNCTIONS OF ELECTRONICALLY AVERAGED SLOW
EVOKED CORTICAL RESPONSES IN MAN
A65-82136
- SPRINGER, W. E.
INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT
CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN
REDUCED TRACTION ENVIRONMENT
A65-10535
- SPRINZ, H.
MORPHOLOGY OF EXPERIMENTAL CHOLERA PATHOGENESIS IN
INFANT RABBITS - HUMAN DISEASE
N65-22294
- SPURRELL, F. A.
WHOLE BRAIN COBALT 60 GAMMA IRRADIATION EFFECT ON
CONDITIONED STIMULUS CORTICAL AROUSAL IN BURRO
A65-82041
- SQUIRE, I. L.
BIBLIOGRAPHY OF CETACEA LITERATURE
NAVWEP-8645
N65-22386
- SRAPIONOV, A. S.
DOSIMETRY, SAFETY, AND RADIATION SHIELDING FOR
NEUTRON SOURCES - POLONIUM AND RADIUM
JPRS-27625
N65-12074
- SRERE, P. A.
OXALOACETATE PROTECTION OF CITRATE CONDENSING
ENZYME FROM PALMITYL- CO A
UCRL-7896
N65-35526
- SRINIVASAN, V. R.
RESISTANCE OF BACTERIAL ENDOSPORES TO UNFAVORABLE
ENVIRONMENT - TOLERANCE OF SPACE ENVIRONMENT
N65-23997
- STACKFLETH, E. D.
PERSONNEL SUBSYSTEM REQUIREMENTS FOR WEAPON SYSTEM
AMRL-TDR-64-65
N65-11772
- STAEMPFLI, R.
TRANSMISSION OF NERVE STIMULI IN MAN AND ANIMALS
INCLUDING STRUCTURE OF NEURONS
A65-26142
- STAGER, P.
PHASE DIFFERENCE FUNCTION IN BINOCULAR CRITICAL
FLICKER FREQUENCY
A65-81411
- FUNCTIONAL RELATIONSHIP BETWEEN CRITICAL FLICKER
FREQUENCY OF TWO IDENTICAL INTERMITTENT TARGETS,
BINOCULARLY SUPERIMPOSED, AND PHASE DIFFERENCE
BETWEEN TARGETS
N65-27217
- STAHL, W. M.
SODIUM AND WATER EXCRETION OF DOGS IN DIFFERENT
POSTURES AS AFFECTED BY WATER IMMERSION ON RENAL
HEMODYNAMICS
A65-80175
- RENAL BLOOD FLOW AND SODIUM AND WATER EXCRETION IN
DOG DURING CHANGE FROM SUPINE TO ERECT POSITION
AND WATER IMMERSION AS AFFECTED BY EXERCISE DURING
WEIGHTLESSNESS SIMULATION
A65-82115
- STAHLHOFEN, W.
BIBLIOGRAPHY ON RADIATION EFFECTS ON LIVING
TISSUES AND ORGANISMS
AED-C-04-16
N65-22844
- STAMBLER, I.
NASA AND USAF PROGRAMS IN SPACE BIOLOGY,
INCLUDING BIOSATELLITES, TO STUDY ENVIRONMENTAL
EFFECTS ON VARIOUS ANIMALS
A65-28616
- STANLER, J.
VALIDITY OF PHONOARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE
A65-80079
- STAMPFER, K.
EFFECT OF EAR DISPLACEMENT ON AUDITORY PERCEPTION
OF LOCATION
AFOSR-64-0938
N65-11157
- STANDEVEN, J. W.
IMPULSIVE NOISE MEASUREMENT VIA EXTENDED ACOUSTIC
TRANSIENT RESPONSE FOR FIELD STUDIES OF WEAPONS,
USING VARIOUS MICROPHONE SYSTEMS
A65-32635
- PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM
VARIOUS WEAPON SYSTEMS
A65-81682
- STANKOVA, L.
INFLUENCE OF PHYSICAL ACTIVITY ON TREADMILL ON
METABOLISM OF ADIPOSE TISSUE IN RAT
A65-80182
- STANLEY, P. E.
ELECTRICAL MODEL OF HUMAN HEART, USING FOUR
CURRENT-DIPOLE GENERATOR TO SIMULATE BODY SURFACE
POTENTIALS
A65-10735
- BIOENGINEERING - FOUR DIPOLE MODEL FOR HUMAN HEART
N65-16615
- STANSBY, M. E.
RADIATION EFFECTS ON FISH LIPIDS - RANCIDITY,
SPOILAGE, COLOR, AND NATURAL FLAVOR LOSS
TID-21405
N65-24236
- STAPLEFORD, R. L.
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239
N65-27946
- STAPLETON, G. E.
PROTON IRRADIATION EFFECT ON LIVING TISSUE
NASA-CR-52679
N65-17289
- LETHAL, MUTAGENIC, AND CYTOGENETIC EFFECTS OF FAST

- CHARGED PARTICLES ON VARIOUS BIOLOGICAL CELLS
N65-34582
- STAPP, J. P.
ABRUPT DECELERATION EFFECTS ON HUMAN AND ANIMAL
SUBJECTS IN REFERENCE TO APOLLO CAPSULE PARACHUTE
LANDING IMPACT A65-10732
- HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO
SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY
POSITIONS AND CONFIGURATIONS A65-14223
- HUMAN AND CHIMPANZEE TOLERANCE TESTS TO ROCKET
SLED DECELERATION, IMPACT AND WINDBLAST RELEVANT
TO SPACE FLIGHT A65-14808
- PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN
LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT
POSTURAL POSITIONS A65-80129
- RELATIONSHIP OF BODY ORIENTATION IN ACCELERATED
IMPACT TO LIMITS OF TOLERANCE, INJURY, AND
FATALITY N65-16612
- HIGH G-FORCE DECELERATION EFFECT ON CHIMPANZEES
ON ROCKET SLED N65-19677
- STARA, J. F.
RESPONSE TO SECONDARY ANTIGENIC STIMULUS AFTER
WHOLE BODY X-RAY IRRADIATION IN DOG
LF-17 N65-10880
- STARINETS, V. S.
ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN
MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156 N65-24231
- CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351
- STARK, L.
EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-
ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING
CONDITIONS A65-22037
- BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR
HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER
SIMULATION AND SERVODANALYSIS
NASA-CR-190 N65-19261
- NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN
VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF
VERSION AND VERGENCE
NASA-CR-238 N65-25300
- STARKENSTEIN, E.
PHARMACOLOGICAL INFLUENCE OF KIDNEY DIURESIS
NASA-TT-F-9340 N65-22622
- URINE EXCRETION IN ANIMALS - DEPENDENCE OF
DIURESIS ON SALT CONTENT, ALCOHOL CONTENT, FREE
CARBON DIOXIDE, AND HYDROGEN ION CONCENTRATION
IN DRINKING WATER
NASA-TT-F-9337 N65-23793
- STARR, I.
STRENGTH OF HEART AND EFFECT OF AGING
A65-80206
- STARR, S. E.
RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES
IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX,
DURING HIBERNATION A65-81681
- STARZYNSKI, S.
RORSCHACH CORRELATES OF TIME ESTIMATION
A65-82087
- STASHKOV, A. M.
ROLE OF SUPRADRENAL GLANDS IN REACTION OF ORGANISM
TO RADIATION DAMAGE INFLICTED AFTER USE OF
CHEMICAL PROTECTION OR WITHOUT ANY RADIOPROTECTORS
IN RATS AND MICE A65-80541
- PHYSICAL ENDURANCE OF MICE AND RATS AFTER ADRENAL
GLAND REMOVAL, ADMINISTRATION OF ANTIRADIATION
DRUGS, AND X-RAY IRRADIATION N65-35891
- STAUB, M. C.
RELATIONSHIP BETWEEN ELECTRICAL STIMULATION OF
MOTOR NERVES OF DOG AND CAT LUNGS AND RESPONSE OF
AIRWAY SMOOTH MUSCLE A65-80667
- STEARNER, S. P.
BIOLOGICAL AND MEDICAL EXPERIMENTS AND RESEARCH
REPORTS ON LABORATORY ANIMAL STUDIES
ANL-6906 N65-11931
- STEBAYEV, I. V.
RELATION OF LIVING ORGANISMS AND INERT MATTER
WITHIN BIOSPHERE - ECOLOGY N65-14580
- STEDRY, A. C.
GOAL DIFFICULTY EFFECT ON LEVEL OF HUMAN
PERFORMANCE
ONR-RM-135 N65-19626
- STEELE, E. L.
NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR
ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC
SYSTEM, NOTING FEASIBILITY OF OPERATION
A65-16425
- STEELE, J. A.
WATER RECLAMATION FROM CABIN-AIR DEHUMIDIFICATION
CONDENSATE AND WASH WATER BY MULTIFILTER SYSTEMS
A65-16560
- STEFAN, M.
HIGH ALTITUDE EFFECTS ON OCULAR REFRACTION AND
VISUAL ACUITY OF PILOTS
NASA-TT-F-9153 N65-11305
- STEFANOVIC, M.
HYPOXIA DURING DECOMPRESSION AND EFFECT ON
CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- STEFANYE, D.
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY N65-22299
- STEFFY, R. A.
SHORT-TERM, PERCEPTUAL-RECOGNITION MEMORY FOR
TACHISTOSCOPICALLY PRESENTED NONSENSE FORMS
A65-82056
- STEGGERDA, F. R.
DECOMPRESSION EFFECTS ON VOLUME AND CARBON DIOXIDE
CONCENTRATION OF FLATUS PRODUCED IN MAN
A65-10744
- FLATUS CARBON DIOXIDE PRODUCTION AT DECOMPRESSION
N65-16626
- STEIGBIGEL, N. H.
PULMONARY COMPLIANCE AND NONELASTIC RESISTANCE OF
HUMAN SUBJECT DURING TREADMILL EXERCISE
A65-82151
- STEIN, H.
CARDIAC SUPPLY OF SUBSTRATES IN HUMAN AT REST,
DURING PHYSICAL WORK, AND DURING RECOVERY
A65-80451
- OXYGEN AND CARBON DIOXIDE PRESSURES, PH, STANDARD
BICARBONATE AND BASE EXCESS IN HUMAN CORONARY
VENOUS BLOOD AT REST, DURING, AND AFTER PHYSICAL
WORK A65-80452
- OXIDATIVE METABOLISM OF HUMAN HEART AT REST AND IN
DIFFERENT WORK CONDITIONS A65-80453
- STEIN, E.
HEART RATE AND ATRIOVENTRICULAR CONDUCTION AT
REST AND UNDER THE INFLUENCE OF EXERCISE,
ISOPROTERENOL, AND ATROPINE A65-82254
- STEIN, K. J.
PROPOSED BIOSATELLITE UTILIZING OPOSSUM FETUSES
FOR STUDYING WEIGHTLESSNESS EFFECTS
A65-80464
- STEINER, S. H.
CHANGES IN PULMONARY DIFFUSION CAPACITY AND
PULMONARY CAPILLARY BLOOD VOLUME DURING NEGATIVE
PRESSURE BREATHING IN MAN A65-82099

- STEININGER, K.
HUMAN FUNCTION IN COMPLEX FLIGHT CONTROL SYSTEMS
A65-28291
- MOTIVATION AND PERSONALITY FACTORS IN TRAINING AND
MENTAL STRESS OF STUDENT PILOTS
A65-81328
- STEINMAN, G.
POSSIBLE ROLE OF DICYANDIAMIDE /CYANOGLANIDINE/ IN
PEPTIDE SYNTHESIS DURING CHEMICAL EVOLUTION
A65-80763
- STEINMAN, R. M.
EFFECT OF TARGET SIZE, LUMINANCE, AND COLOR ON
MONOCULAR FIXATION
A65-82202
- STEINNES, E.
CHEMICAL ANALYSIS OF IODIDE ACTIVATION IN
BIOLOGICAL FLUIDS
KR-80
N65-30572
- STELKOV, R. B.
20-CATHODE MULTIPOLAROGRAPH INSTRUMENTATION
AND BIOLOGICAL APPLICATIONS
N65-24892
- STENBERG, J.
INTRA-ARTERIAL BLOOD PRESSURE DURING EXERCISE WITH
DIFFERENT MUSCLE GROUPS
A65-80673
- STENSON, S.
REDUCTION OF RADIATION DAMAGE TO INTESTINAL MUCOUS
MEMBRANE OF RAT BY LOCAL HYPOXIA INDUCED BY
NOREPINEPHRINE AND SODIUM SULFITE
A65-80827
- STEPANTSOV, V.
ORIENTATION AND ROTATION OF HUMAN BODY UNDER
WEIGHTLESS CONDITIONS IN FREE SPACE
A65-29680
- STEPANOV, S. I.
PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE
A65-80600
- STEPHENS, H. M.
HEAT TRANSFER FLUIDS IN COLD PLATE HEAT EXCHANGER
COMPARED IN TERMS OF RELATIVE FLOW AND PUMPING
POWER REQUIREMENTS
AICE PREPRINT 54C
A65-15253
- STEPHENS, L. M.
PHYSIOLOGICAL PARAMETERS RECORDED FROM CHIMPANZEES
BEFORE, DURING, AND AFTER RAPID DECOMPRESSION
TO NEAR VACUUM - AEROSPACE MEDICINE
N65-36770
- STEPHENS, M. W.
MEASUREMENT TECHNIQUES PERMITTING ASSESSMENT OF
POTENTIAL MOTIVATION ABILITY OF SUBJECTS IN
EXPERIMENTS CONCERNING EFFECTS OF ENVIRONMENTAL
STRESS ON HUMAN PERFORMANCE
AMRL-TR-65-39
N65-32928
- STEPHENS, N.
AUTOMATIC ZONAL SCRAPER AND SAMPLE COLLECTOR FOR
RADIOASSAY OF THIN LAYER CHROMATOGRAM
N65-25668
- STEPHENSON, T. E.
QUALITY FACTORS FOR DEGRADED PROTON SPECTRA FROM
RATIO OF DOSE EQUIVALENT TO ABSORBED DOSE -
RADIATION DOSE MEASUREMENTS IN SKIN
N65-34605
- STERMAN, M. B.
BEHAVIOR AND NEUROPHYSIOLOGICAL STUDIES OF CATS
EXPOSED TO UNSYMMETRICAL DIMETHYL HYDRAZINE
AMRL-TDR-64-72
N65-12045
- STERN, M. H.
COMPARATIVE EVALUATION OF ETHANOL, PENTOBARBITAL,
AMPHETAMINE, AND CAFFEINE EFFECTS ON MOTOR AND
INTELLECTUAL PERFORMANCE
A65-80159
- STERN, R. M.
ELECTROPHYSIOLOGICAL EFFECTS OF INTERACTION
BETWEEN TASK DEMANDS AND REDUCED SENSORY INPUT
A65-80520
- VARIATION IN VISUAL AND AUDITORY STIMULATION
EFFECTS ON GASTROINTESTINAL MOTILITY
TR-12
N65-22946
- EFFECTS OF HIGH AND LOW LEVELS OF STIMULATION ON
GASTROINTESTINAL RESPONSE
TR-14
N65-22947
- STERRETT, K. F.
ENGINEERING STUDY AND ANALYSIS OF WATER VAPOR MASS
TRANSFER IN SPACE SUIT
NASA-CR-63144
N65-25269
- STETSON, J. B. /EDIT/
CHEMICAL AND MECHANICAL ASPECTS OF REGULATION OF
RESPIRATION
A65-82019
- STEVENS, J. C.
POWER FUNCTIONS APPLIED TO PERCEPTUAL-MOTOR
LEARNING
A65-80244
- STEVENS, P. J.
VISUAL AND MEDICAL IDENTIFICATION OF VICTIMS OF
FATAL AIRCRAFT ACCIDENTS
A65-36002
- PROBLEMS ARISING IN INVESTIGATIONS OF FOREIGN
AIRLINE DISASTERS
A65-81519
- PROBLEMS OF IDENTIFICATION OF BODIES DURING
AUTOPSY OF AIRCRAFT ACCIDENTS
A65-81586
- STEVENS, P. M.
INACTIVITY EFFECTS IN HUMANS DURING PROLONGED
CHAIR REST CAUSING DECONDITIONING, RECORDING BLOOD
PRESSURE AND HEART FUNCTION
A65-32633
- BLOOD VOLUME, ORTHOSTATIC TOLERANCE, AND EXERCISE
AS AFFECTED BY CHAIR REST IN NORMAL GRAVITATIONAL
ENVIRONMENT
A65-81771
- CARDIOVASCULAR SYSTEM RESPONSE DURING EXPOSURE OF
LOWER BODY IN SUPINE POSITION TO NEGATIVE
PRESSURE.
A65-82253
- STEVENS, S. S.
LOUDNESS FOUND TO BE PROPORTIONAL TO VOLUME TIMES
DENSITY
A65-81168
- ABSTRACTS ON PSYCHOPHYSICAL ASPECTS OF SENSORY
PERCEPTION - PSYCHOLOGY
PPM-106
N65-17365
- STEWART, P. G.
RADIATION DEPTH DOSE FROM INCIDENT ISOTROPIC FLUX
OF MONOENERGETIC PROTONS IN ARBITRARY SIZE
SPHERES WITH TISSUE-EQUIVALENT MATERIAL
UCRL-10980
N65-32064
- PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS
N65-34611
- STEWART, H.
SENSORY DEPRIVATION, PERSONALITY FACTORS, AND
EXPERIENCE OF VISUAL IMAGERY
A65-80516
- STEWART, J. D.
PILOT PERCEPTION MEASUREMENTS OF ILLUSORY MOTION
AND POSITION IN SPACE WHILE UNDERGOING
SUPRATHRESHOLD VALUES OF CORIOLIS ACCELERATION
A65-18429
- SUPERIMPOSED OSCILLATION ON LINEAR ACCELERATION
EFFECT ON PILOT ATTITUDE CONTROL CAPABILITY
NASA-TN-D-2710
N65-18214
- EFFECT OF SUPRATHRESHOLD VALUE OF CORIOLIS
ACCELERATION ON PILOT OF FLIGHT SIMULATOR -
REFERENCE TO PERCEPTION OF ILLUSORY MOTION AND
POSITION IN SPACE
NASA-TM-X-51755
N65-23710
- STEWART, J. L.
DEEP SPACE VOICE COMMUNICATION SYSTEM USING EAR-
BRAIN ANALOG
A65-17486
- EAR-BRAIN ANALOG EMPLOYED FOR REAL-TIME VOICE
COMMUNICATION IN MANNED DEEP SPACE FLIGHT
A65-80528

- INFORMATION THEORY AND FUNDAMENTAL CONSTRAINTS TO SENSORY DISCRIMINATION OF ANIMALS BY TWO KINDS OF NEURAL NOISE A65-82062
- STEWART, R. D.
ABSORPTION OF CARBON TETRACHLORIDE, TRICHLOROETHYLENE, TETRACHLOROETHYLENE, METHYL CHLORIDE, AND TRICHLOROETHANE THROUGH HUMAN SKIN ANALYZED BY INFRARED SPECTROSCOPY A65-80219
- STICHT, T. G.
REACTION TIME AS FUNCTION OF ONSET AND OFFSET STIMULATION OF RETINAL FOVEA AND PERIPHERY A65-81009
- STICKNEY, J. C.
PHYSIOLOGICAL RESPONSE TO HYPOXIA A65-81180
- STILL, E. T.
MASSIVE DOSE EFFECTS OF HIGH ENERGY PROTONS AND COBALT 60 GAMMA RADIATION ON BLOOD SERUM ENZYME LEVELS OF WHOLE BODY IRRADIATED PRIMATES SAM-TR-65-22 N65-33679
- STOCKEN, L. A.
PHOSPHORYLATION OF THYMUS NUCLEI INVESTIGATION AND X-IRRADIATION INTERFERENCE WITH DEOXYRIBONUCLEIC ACID SYNTHESIS IN ANIMAL CELLS N65-23458
- STODDART, J. C.
CARBON DIOXIDE EXCRETION DURING CONTROLLED ALVEOLAR HYPERVENTILATION TO SHOW CORRELATION OF ELECTROENCEPHALOGRAPHIC AND ELECTROMYOGRAPHIC DISTURBANCES TO IN FLIGHT DISTURBANCES A65-11129
- STOIAN, O. F.
CHANGE IN BASIC HEMODYNAMIC CRITERIA IN HYPOTHERMIA IN CATS A65-81698
- STOKINGER, H. E.
OZONE TOXICOLOGY- REVIEW OF RESEARCH AND INDUSTRIAL EXPERIENCE 1954-1964 A65-81397
- STOLWIJK, J. A. J.
HUMAN BODY AS RADIOMETER AND NULL-POINT SENSOR OF COMFORT-THERMAL NEUTRALITY, DESCRIBING HEAT EXCHANGE QUANTITATIVELY IN COMPLEX RADIANT ENVIRONMENT A65-24076
- TELEMETERING HYPOTHALAMIC TEMPERATURES OF UNRESTRAINED DOG EXPOSED TO COLD, NEUTRAL, AND HOT ENVIRONMENTS A65-80682
- METHOD FOR MEASUREMENT OF HUMAN HEAT EXCHANGE IN COMPLEX RADIANT ENVIRONMENT A65-81063
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING INTENSE THERMAL RADIATION EXPOSURE A65-81915
- SKIN TEMPERATURE AND CUTANEOUS PAIN DURING PARTIAL WARM WATER IMMERSION A65-81916
- SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING EXPOSURE TO INTENSE THERMAL RADIATION DASA-1566 N65-28921
- STONE, R. B.
REMOTE SENSING FROM MANNED ORBITAL SPACECRAFT FOR MEASURING CHARACTERISTICS OF PHYSICAL ENVIRONMENT AT SEA SURFACE - MARINE BIOLOGY N65-30381
- STONE, R. W., JR.
HUMAN TOLERANCE TO PHYSIOLOGICAL EFFECTS OF HEAD MOTIONS IN ROTATING ENVIRONMENT A65-24447
- STONER, H. B.
SURVIVAL, INJURY, AND BODY TEMPERATURE AND WEIGHT OF COLD ACCLIMATED RAT DURING HIND-LIMB ISCHEMIA AND COLD EXPOSURE AS RELATED TO CATECHOLAMINES A65-81622
- STOR, A. N.
NEUROCYBERNETICS - ARTIFICIAL INTELLIGENCE JPRS-29267 N65-20098
- STORER, J. B.
PROBLEMS IN ESTIMATING RECOVERY FROM RADIATION INJURY IN MAMMAL A65-80163
- STOUT, C. L.
COMMON KNOWLEDGE CONCEPT PERMITTING COCKPIT CREW MEMBERS SAME KNOWLEDGE LEVEL REGARDING AIRCRAFT SYSTEMS AND NORMAL/ABNORMAL SYSTEMS OPERATION A65-22175
- STOYEV, V.
REDUCTION OF LEAD POISONING SYMPTOMS IN WORKERS BY REACTION OF SULFUR IN SATAL DRUG CONTAINING GARLIC AND LEAD POWDER JPRS-30863 N65-27037
- STRALY, W. H.
MECHANICAL TETHERING SYSTEM USING ANGULAR MOMENTUM TO RETRIEVE ASTRONAUT SEPARATED FROM SPACE VEHICLE AIAA PAPER 64-393 A65-14698
- STRANDNESS, D. E., JR.
HEMODYNAMIC RESPONSE OF LOWER EXTREMITIES TO EXERCISE A65-81127
- STRATBUCKER, R. A.
MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL PHENOMENA IN CARDIAC TISSUE A65-10724
- RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND MAGNETOCARDIOGRAM N65-16604
- STRATHMANN, R. R.
RED CELL AND PLASMA SODIUM AND POTASSIUM CHANGES IN SAN DIEGO POCKET MOUSE, PEROGNATHUS FALLAX, DURING HIBERNATION A65-81681
- STRAUB, H. H.
PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF AUTOMATIC RESPIRATORS HDL-TM-64-23 N65-19416
- STREIMER, I.
INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN REDUCED TRACTION ENVIRONMENT A65-10535
- SPACE SYSTEM REQUIREMENTS IMPOSED BY LOSS OF WORKER EFFICIENCY IN REDUCED TRACTION AND PRESSURE SUITED ENVIRONMENTS ASME PAPER 64-WA/HUF-2 A65-13422
- LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS AND VARIABLE EXPENDABLES, CONSIDERING WORKER OUTPUT CHARACTERISTICS A65-14230
- SPACECREW PHYSICAL EXERCISE REQUIREMENT EFFECTS ON SYSTEM DESIGN AND MISSION SUCCESS A65-21208
- LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS IN OPERATOR OUTPUT CHARACTERISTICS A65-80139
- SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS FUNCTION OF MAINTAINING SPACE CREW PHYSICAL FITNESS A65-81966
- STRELIN, G. S.
LIVER REGENERATION DETERMINATION IN WHITE MICE AFTER BRIEF AND CHRONIC COBALT 60 IRRADIATION FTD-TT-64-230/18264 N65-10285
- STRELKOV, R. B.
EFFECT OF ANTIRADIATION DRUGS ON MUSCULAR ACTION OF SMALL INTESTINE IN GUINEA PIGS A65-81990
- EFFECTS OF ANTIRADIATION DRUGS ON MUSCULAR TONUS IN SMALL INTESTINE OF GUINEA PIG N65-35892
- STRELTSOVA, V. N.
BLASTOMUTAGENIC ACTION OF HIGH ENERGY PROTONS IN RATS A65-81711

- TUMOR PRODUCING EFFECTS OF HIGH ENERGY PROTON
IRRADIATION ON RATS
JPRS-27343 N65-10653
- STROBEL, H.
MOTION PICTURE RECORDING OF OPTOKINETIC AND
VESTIBULAR NYSTAGMUS A65-80041
- STROLLO, M.
FLIGHT SURGEON ROLE IN FLIGHT TRAINING -
PSYCHOLOGICAL ASPECTS A65-80019
- MIRROR IMAGE TEST USED TO DETERMINE PSYCHOMOTOR
PERFORMANCE DURING ISOLATION A65-81801
- TIME DISCRIMINATION OF SUBJECTS DURING SENSORY
DEPRIVATION A65-81802
- MAN-MACHINE SYSTEMS IN PREVENTIVE MEDICINE AND
AVIATION MEDICINE A65-82319
- STRUGHOLD, H.
SUBSURFACE MARINE BIOSPHERE ON MARS
A65-81583
- STRUMWASSER, F.
AROUSAL AND BRAIN TEMPERATURES OF THREE SPECIES
/CITELLUS- LATERALIS, TRIDECIMLINEATUS, BEECHHEY/
OF GROUND SQUIRRELS HIBERNATING IN COLD
ENVIRONMENT A65-81499
- STRUMZA-POUTONNET, J.-M.
CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND
ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC
NERVES A65-81847
- STRUMZA, M. V.
LIMITS TO CORRECTION BY HYPERCAPNIA OF CERTAIN
EFFECTS OF HYPOXIA ON INTELLECTUAL AND MUSCULAR
ACTIVITY A65-36398
- DEMONSTRATION OF NEOHEMOGLOBIN IN RAT DURING
HYPOXIC POLYCYTHEMIA AT SIMULATED ALTITUDE
A65-80116
- CARDIAC REFLEX RESPONSE OF DOG DURING HYPOXIA AND
ELECTRIC STIMULATION ON SINUS AND PNEUMOGASTRIC
NERVES A65-81847
- INFLUENCE OF BREATHING CARBON DIOXIDE ON HYPOXIC
CHANGES AND OXYGEN CONSUMPTION DURING PSYCHOMOTOR
TASK PERFORMANCE WITH OXYGEN DEFICIENCY
A65-81968
- STRUMZA, V.
INERT GAS IN ARTIFICIAL ENVIRONMENT TO PREVENT
PULMONARY DISTURBANCES
NASA-TT-F-9258 N65-16641
- STRYDOM, N. B.
NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS A65-80274
- ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS A65-80678
- STRZYZEWSKI, K.
DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
IN RABBITS ADAPTED TO DARKNESS A65-81943
- DETERMINATION OF CRITICAL FLICKER FUSION FREQUENCY
BY ELECTRORETINOGRAM AND ELECTROENCEPHALOGRAM
RESPONSE TO WHITE LIGHT FLASHES IN RABBITS
A65-81944
- STUART, J. L.
BIOINSTRUMENTATION FOR BIOLOGICAL AND CHEMICAL
ANALYSIS OF PLANETARY SURFACE N65-16610
- STUBBS, R. A.
SYSTEM FOR CONTINUOUS MONITORING OF END-TIDAL
PARTIAL PRESSURE OF OXYGEN COMPARED WITH MASS
SPECTROMETER METHOD A65-80627
- STUDIER, M. H.
ABIOGENIC FORMATION OF CARBON COMPOUNDS IN
ORGUEIL, COLD BOKKEVELD, AND MURRAY CARBONACEOUS
CHONDRITES SUGGESTED BY MASS SPECTROMETRY
A65-82013
- STURM, R. E.
PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS N65-17306
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS
AMRL-TR-64-133 N65-22476
- STURTEVANT, R. C.
EFFECT OF EXPOSURE TIME AND INTENSITY ON FORM
IDENTIFICATION - DISPLAY SYSTEMS
RADG-TR-65-16 N65-22252
- STVERAK, J.
RESISTANCE TO HYPOXIA - BLOOD SUGAR, AND BODY
TEMPERATURE IN MAN DURING STARVATION
A65-81798
- STYBOLVA, V.
MYELOPATHY IN WORKERS WITH OCCUPATIONAL VIBRATION
EXPOSURE A65-80192
- SUBA-C, E. A.
ORGANIZED ELEMENT DISTRIBUTION IN RELATION TO SIZE
IN ORGUEIL METEORITE SUGGESTING PRIMITIVE
LIFE INDIGENOUS TO METEORITES A65-80444
- SUBOTIC, R.
COMPARISON OF ROTATORY AND CALORIC TESTS FOR
DIAGNOSIS OF VESTIBULAR FUNCTION
A65-80586
- SUDOW, H.
INSTRUMENT FOR CONTINUOUS REGISTRATION OF PULSE IN
WORK STUDIES A65-81189
- SUGGS, C. W.
HEART RATE, VENTILATION, AND OXYGEN CONSUMPTION OF
HUMAN SUBJECTS EXPOSED TO THERMAL RADIATION UNDER
VARIOUS CONDITIONS OF ENVIRONMENTAL TEMPERATURE,
AIR VELOCITY, AND EXERCISE A65-81914
- SUGIMOTO, S.
BODY TILT COGNITION AS FUNCTION OF MUSCULAR
TENSION AND VISUAL CUES AT VARIOUS LUMINOSITY IN
CLOSED CABIN A65-18841
- SENSORY PERCEPTION AND SPATIAL ORIENTATION
CONCERNING BODY POSTURE IN SEALED CABIN
A65-80553
- SUKALO, L. H.
PROCEEDINGS OF ATMOSPHERIC BIOLOGY CONFERENCE
NASA-CR-62786 N65-23980
- SUKHODOLETS, V. V.
GENETIC RECOMBINATION RESULTING FROM INTERACTION
BETWEEN FRAGMENT AND ANNULAR CHROMOSOMES IN
ESCHERICHIA COLI K-12 STRAINS
N65-25613
- SULIMO-SAMUYLIO, Z. K.
EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE
WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN
BEINGS AND ANIMALS N65-13684
- OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF
ELEVATED CARBON DIOXIDE CONCENTRATIONS IN
RABBITS N65-17807
- SULKIN, N. M.
ENVIRONMENTAL CHAMBER FOR LONG-TERM STUDIES OF
CHRONIC HYPOXIA IN SMALL ANIMALS
A65-80683
- SULLIVAN, S. A.
VISUAL FEEDBACK DISPLAY EFFECT ON PATTERN OF FINE
MOVEMENT IN COMPENSATORY TRACKING TASK
A65-82081
- SULMAN, F. G.
HORMONE AND ELECTROLYTE METABOLISM AS AFFECTED BY
HOT, DRY, DESERT ENVIRONMENT A65-80961
- SUMEGI, I.
HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING
TRICHLOROETHYLENE AND TETRACHLOROETHYLENE
A65-82299

- SUMMAR, M. T.
PERSONAL EAR PROTECTION IN NOISE EXPOSURE
A65-81345
- SUMMERFIELD, A.
NITROUS OXIDE EFFECT ON CARD SORTING TASK UNDER
TWO CODING CONDITIONS
A65-82113
- SUMMERS, L. G.
MANUAL CONTROL METHODOLOGY - STUDY WITH ANNOTATED
BIBLIOGRAPHY
NASA-CR-125
N65-11019
- SUOMALAINEN, P.
THYROID GLAND ACTIVITY IN HEDGEHOG ERINACEUS
EUROPAEUS DURING HIBERNATION
A65-81472
- SUPIN, A. IA.
INTERACTION BETWEEN EVOKED POTENTIAL AND
BACKGROUND BIOELECTRIC FIELD OF RABBIT CEREBRAL
CORTEX
A65-80702
- SURPRENANT, E. L.
ROENTGEN STUDIES IN MAN OF RELATIONSHIP OF UNEQUAL
PULMONARY VENTILATION TO GRAVITY, AND POSTURE
A65-81101
- SURWILLO, W. W.
RELATION OF AGE TO VIGILANCE AND REACTION TIME
A65-80738
- AGE FACTOR AND LATENCY TIME OF ELECTRODERMAL
RESPONSE AND VOLUNTARY RESPONSES
A65-81121
- SUTHERLAND, W. W.
INSTRUMENTATION TECHNIQUES FOR ANALYSIS OF SONAR
PULSE CHARACTERISTICS OF FISH AND MARINE MAMMALS
LR-18525
N65-23152
- SUTPHEN, J. H.
INTRAVASCULAR PRESSURE MEASUREMENTS BY CATHETER
TIP BLOOD TRANSDUCER DURING VIBRATIONAL STRESS IN
DOGS
A65-82092
- SUVOROV, N. N.
RADIATION PROTECTION EFFECTS OF AET AND 5- MOT AS
FUNCTION OF MARROW CELLS IN MICE
A65-26896
- EFFECT OF PROTECTORS ON BONE MARROW REGENERATION
AFTER IRRADIATION BY SUBLETHAL DOSES OF
X-RADIATION
A65-81551
- SUVOROV, P. M.
BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN
DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT
N65-13661
- SUZUKI, T.
COMPARISON OF TWO METHODS FOR MEASURING AUDITORY
ADAPTATION BY MEANS OF BEKESY AUDIOMETER
A65-80199
- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE
MODULATED TONES
A65-80914
- ELECTROENCEPHALOGRAPHIC RESPONSE TO VARIOUS PURE
TONE STIMULI
A65-81239
- SVANBORG, N.
VENOUS ADMIXTURE AND SIZE OF MORPHOLOGICAL SHUNTS
DURING MODERATE EXERCISE
A65-81695
- SVERDOLOVA, E. A.
EFFECT OF GAMMA RAYS AND VIBRATION ON DIELECTRIC
AND OSMOTIC PROPERTIES AND CATION BALANCE OF WHOLE
BLOOD AND ERYTHROCYTES
A65-21941
- GAMMA-RAYS AND VIBRATION EFFECTS ON PHYSICAL AND
CHEMICAL PROPERTIES OF HUMAN ERYTHROCYTES
A65-80927
- SVERDOLOVA, Y. A.
EFFECT OF GAMMA RADIATION AND VIBRATION ON
DIELECTRIC AND OSMOTIC PROPERTIES, AND CATION
BALANCE OF ERYTHROCYTES
FTD-TT-65-585/162&4
N65-34868
- SVIATUKHIN, M. V.
EFFECTIVENESS OF ASCORBIC ACID INJECTION AT
VARIOUS STAGES OF ACUTE RADIATION SICKNESS IN
WHITE RATS
A65-82029
- INFLUENCE OF IONIZING RADIATION ON ORIGIN
AND DEVELOPMENT OF HUMAN LEUKEMIA AND PATHOLOGY
JPRS-30161
N65-24315
- SWAIMAN, K. F.
ENZYME ACTIVITY AFTER CONTROLLED EXERCISE
A65-80022
- SWAIN, A. D.
METHODOLOGICAL AND PSYCHOLOGICAL PROBLEMS IN
MEASURING HUMAN PERFORMANCE IN MAN-MACHINE
SYSTEMS
A65-34682
- SWAN, P. R.
ABSORPTION INTENSITY OF CARBON DIOXIDE BANDS AND
MARTIAN CARBON DIOXIDE ABUNDANCE AND ATMOSPHERIC
PRESSURE AS BASE OF DESIGN FOR MARS ENTRY VEHICLE
A65-82273
- SWARTZ, R. W.
COLD WEATHER PROTECTIVE CLOTHING FOR SURVIVAL
AND REVIEW OF BODY HEAT CONTROL SYSTEM
N65-29768
- SWARTZ, W. F.
PURSUIT AND COMPENSATORY TRACKING PERFORMANCE
WHILE VARYING TASK MODE, CONTROL-DISPLAY
DISPLACEMENT FUNCTION, AND TARGET VELOCITY
A65-82361
- COMPATIBILITY OF MANUAL FLYING WITH AUTOMATIC
FLIGHT CONTROL SYSTEM BY FORCED WHEEL STEERING -
PILOT FACTORS PROGRAM
REPT.-1-64
N65-21258
- HUMAN ENGINEERING - PILOT PERFORMANCE NECESSARY
FOR ALL-WEATHER LANDING
AD-612726
N65-26118
- SWEARINGEN, J. J.
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249
- HUMAN FACTORS OF RAPID EMERGENCY EVACUATION OF
PASSENGER AIRCRAFT DURING ACCIDENTS
AM-65-7
N65-18409
- TOLERANCES OF HUMAN FACE TO CRASH IMPACT
AM-65-20
N65-34678
- SWEDLUND, J. B.
DETECTION OF MACROSCOPIC QUANTUM EFFECTS IN
MACROMOLECULES OF BIOLOGICAL INTEREST WITH
MAGNETIC SUSCEPTIBILITY
NASA-CR-60122
N65-14803
- SWENDSEID, M. E.
NITROGEN AND WEIGHT LOSSES DURING STARVATION IN
OBESITY
A65-80989
- SWET, C. J.
CORNUCOPIA TWO-GAS ATMOSPHERE USING STORABLE
ROCKET BIPROPELLANTS FOR LIFE SUPPORT, INCLUDING
ATMOSPHERE AND CONTAMINANT CONTROL
A65-14234
- STORABLE PROPELLANT UTILIZATION EXTENDED TO
INCLUDE ATMOSPHERE REPLENISHMENT, THERMAL CONTROL
AND WATER AND POWER PRODUCTION
ATAA PAPER 64-213
A65-24446
- CORNUCOPIA, STORABLE BIPROPELLANT CONCEPT
FACILITATING PROVISION OF PROPULSION, POTABLE
WATER, METABOLIC OXYGEN, TWO-GAS REPLENISHMENT
ATMOSPHERE, AND THERMAL AND KINETIC ENERGY
A65-80143
- SWOPE, C. H.
DETERMINATION OF ATTENUATING FILTERS REQUIRED FOR
EYE PROTECTION AGAINST LASER RADIATION
A65-22614
- SYABRO, P. I.
DRUGS FOR PREVENTION AND TREATMENT OF

- AIRSICKNESS N65-13636
- SYCHKOV, M. A.
MASSIVE DOSE RADIATION OF HIGH ENERGY PROTON-BEAM
IN BIOLOGICAL EXPERIMENTS ON MAMMALS A65-80539
- SYMONS, J. J.
HANDLING AND STORAGE OF FOOD AND WASTE ON MANNED
SPACE FLIGHTS N65-18576
- SYTINSKIY, I. A.
OXYGEN STARVATION AND ACCELERATION EFFECT ON
CONTENT OF GLUTAMIC AND GAMMA-AMINOBUTYRIC ACIDS
IN BRAIN TISSUE JPRS-28630 N65-16136
- SYVERSEN, R. G.
THERMAL EQUILIBRIUM OF APOLLO MISSION
EXTRAVEHICULAR MOBILITY UNIT SPACE SUIT INCLUDING
GAS LOOP, WATER FEED RATE AND LUNAR ENVIRONMENT A65-23618
- SYVIRITKIN, M. N.
HEMODYNAMIC INDEXES OBTAINED BY
MECHANOCARDIOGRAPHIC METHOD N65-13761
- SYZANTSEV, YU. K.
EFFECT OF PARACHUTE JUMPING ON METABOLISM
OF PROTEINS AND VITAMINS N65-13762
- SZADKOWSKI, D.
CONTINUOUS RECORDING OF HEART RATE BY MEANS OF
PULSE RECORDER ATTACHED TO ELECTROCARDIOGRAPH A65-80008
- SZAFRAN, J.
AGE DEPENDENCE OF PILOT RESPONSE IN SIGNAL
SEQUENCE IDENTIFICATION BY APPROPRIATE CONTROL
OPERATION AT MAXIMUM SPEED AND MINIMUM ERROR A65-22901
- SZEKELY, E. G.
VESTIBULAR RESPONSES IN MIDBRAIN, THALAMUS, AND
BASAL GANGLIA IN CATS A65-80839
- SZEPESI, Z.
SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS NAVTRADEVEN-1440-1 N65-31622
- SZUTKA, A.
PROBABLE SYNTHESIS OF PORPHINE-LIKE SUBSTANCES
DURING CHEMICAL EVOLUTION A65-80478
- SZYMANSKI, J.
EFFECT OF BREATHING UNDER PRESSURE ON VISION IN
HUMAN SUBJECTS A65-81942
- T**
- TABAKIN, B. S.
LUNG VOLUME AND VENTILATORY RESPONSE TO AIRWAY
OBSTRUCTION DURING TREADMILL EXERCISE - RELATION
TO OXYGEN CONSUMPTION A65-80316
- DIGITAL INTEGRATOR FOR ON-LINE PULMONARY
COMPLIANCE MEASUREMENTS A65-81154
- ALTERATIONS IN PULMONARY MECHANICS WITH AIRWAY
OBSTRUCTION DURING REST AND EXERCISE A65-81607
- TABOWITZ, D.
FORMATION AND FLOW OF COCHLEAR FLUIDS-STUDIES WITH
RADIOACTIVE POTASSIUM 42 A65-81543
- TABUSSE, E.
SOMATIC AND GENETIC EFFECTS OF INTENSE OR CHRONIC
IONIZING RADIATION DURING HIGH ALTITUDE AND SPACE
FLIGHTS A65-12081
- TABUSSE, L.
PROBLEMS OF BLACKOUT DURING AIRCRAFT FLIGHT A65-81825
- TAGUCHI, K.
ELECTROENCEPHALOGRAPHIC RESPONSE TO VARIOUS PULSE
TONE STIMULI A65-81239
- TAKAGI, S.
ELECTRORETINOGRAM OF UNANESTHETIZED RABBITS AT
HIGH ALTITUDE IN LOW PRESSURE CHAMBER AND UNDER
10-G STRESS STUDIED BY A AND B WAVES EVOKED BY
STROBOSCOPIC FLASH A65-31347
- ELECTRORETINOGRAM OF RABBIT RESPONSE TO LIGHT
FLASH DURING HIGH ALTITUDE SIMULATION IN LOW
PRESSURE CHAMBER AND UNDER GRAVITATIONAL STRESS A65-81669
- TAKAGI, Y.
ELECTROENCEPHALOGRAPHIC CHANGES DURING
HYPERVENTILATION IN MAN A65-81080
- TAKAHASHI, M.
SPACECRAFT OXYGEN PRODUCTION FROM REACTION BETWEEN
CARBON DIOXIDE AND CHLORELLA CULTIVATED FROM
FERMENTED EXCRETA A65-14382
- TAKAHASHI, Y.
EXPERIMENT SHOWING RETINAL BLUR OPERATING AS EVEN-
ERROR SIGNAL UNDER RESTRICTED MONOCULAR VIEWING
CONDITIONS A65-22037
- TAKANAMI, M.
RIBONUCLEASE DIGEST OF AMINOACYL-S RNA IN
INCOMPLETE PEPTIDE CHAIN LIBERATION BY AMINO ACID-
NUCLEOTIDE FRAGMENTS ATTACHMENT TO C-TERMINAL A65-18042
- TAKASE, I.
OXYGEN INHALATION IN PROLONGATION OF TIME OF
USEFUL CONSCIOUSNESS IN SUBSEQUENT NITROGEN
INHALATION BY RABBITS A65-31343
- HYPOXIC EFFECT ON HUMAN ELECTROENCEPHALOGRAM AT
SIMULATED HIGH ALTITUDE A65-80550
- ELECTROENCEPHALOGRAM AND PULSE RATE OF RABBIT AS
AFFECTED BY OXYGEN BREATHING FOLLOWING HYPOXIA A65-81666
- TAKATA, M.
CESIUM IONS DO NOT PASS MEMBRANE OF GIANT AXON A65-14831
- TAKASE, I.
HUMAN ELECTROENCEPHALOGRAM RESPONSE TO INDUCED
HYPOXIA IN LP CHAMBER, NOTING DESYNCHRONIZATION
AND AROUSAL ACTIVATION A65-18839
- TAKETA, S. T.
DELAYED RADIATION EFFECTS ON MORTALITY RATE IN
ABDOMEN-IRRADIATED RATS A65-33405
- BIOLOGICAL EFFECTS OF PROTONS AND NEUTRONS IN
LARGE ANIMALS - RADIATION EFFECTS N65-34583
- TAKHA, M. S.
EFFECT OF NITROGENOUS COMPOUNDS UPON GROWTH AND
ATMOSPHERIC OXYGEN UPTAKE IN BLUE-GREEN ALGAE A65-80786
- TAKIMOTO, A.
TEMPERATURE AND PRECONDITIONING EFFECT ON
PHOTOPERIODIC RESPONSE OF PHARRIS NILE STRAIN
VIOLET SHORT-DAY PLANT A65-30650
- TALBOT, J. M.
LIFE SUPPORT SYSTEMS FOR MANNED SPACE FLIGHT A65-27041
- LIFE SUPPORT SYSTEMS IN MANNED SPACE FLIGHT
OPERATIONS A65-81307
- TALBOT, R. B.
DISTRIBUTION STUDIES IN GUINEA PIGS AND RATS,
FOLLOWING INTRAPULMONARY INJECTIONS OF STABLE
RARE EARTH CITRATES AND OXALATES CDD-1170-3 N65-24441
- TALBOT, G. D.
USE OF TELEMETRY IN INTENSIVE-CARE WARDS N65-34583
- TALIAFERRO, E. H.
HUMAN TOLERANCE TO POSITIVE ACCELERATION AT

- AFFECTED BY DEHYDRATION DURING HEAT STRESS
A65-82116
- TALLAND, G. H.
METHAMPHETAMINE AND PENTOBARBITAL ON RUNNING
MEMORY SPAN FOR DIGITS
A65-81211
- TALMERS, F. N.
CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND
HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE
A65-82164
- TALYSHEV, F. M.
ELECTROGRAPHIC STUDY OF VOLUNTARY MOVEMENTS IN MAN
A65-80697
- TANAKA, Y.
OPINIONS OF JAPANESE FLYING PERSONNEL CONCERNING
PREVENTION OF CIVIL AIRCRAFT ACCIDENTS
A65-80552
- PROTECTION OF LYMPHOCYTES IN THYMUS OF
X-IRRADIATED RATS BY CYSTEAMINE
A65-81235
- TANG, P. C.
CONVULSIONS IN PILOT FOLLOWING DRUG WITHDRAWAL
A65-80387
- TANNER, T. A., JR.
INTERSENSORY DISCRIMINATION OF SIGNAL DURATION
USING VISUAL AND AUDITORY SIGNALS
NASA-TM-X-51729
N65-21479
- TAPLIN, G. V.
COMBINED RADIOACTIVE MATERIAL INHALATION AND
HUMAN SERUM ALBUMIN INTRAVENOUS INJECTION
TECHNIQUE FOR LUNG SCANNING FOR PULMONARY
FUNCTION EVALUATION
UCLA-12-556
N65-24272
- TAPUSSE, L.
BACKACHE IN AIRPLANE AND HELICOPTER FLYING
PERSONNEL RESULTING FROM ACCIDENTS, INCREASING
AGE, AND POSTURE AS AFFECTED BY PHYSICAL THERAPY
A65-81818
- TARANENKO, V. M.
CHANGE IN BASIC HEMODYNAMIC CRITERIA IN
HYPOTHERMIA IN CATS
A65-81698
- TARANDV, V.
MACHINES AND VISUAL AIDS IN TEACHING
JPRS-29204
N65-19327
- TARASENKO, A. G.
DISTRIBUTION OF PSEUDOURACIL AS RESULT OF VARIOUS
MODES OF INTRODUCTION, DOSES AND CONDITIONS OF
IRRADIATION IN MICE
A65-81675
- TARASENKO, N. Y.
SAFETY AND HEALTH ASPECTS IN INDUSTRIAL HANDLING
OF THORIUM AND ITS COMPOUNDS
AEC-TR-6536/REV.1
N65-26596
- TARASENKO, V. D.
EFFECTIVENESS OF TRANSFUSION OF BONE MARROW IN
ASCORBIC ACID SOLUTION IN RADIATION SICKNESS IN
RABBITS
A65-82030
- TARDIFF, C. A.
INCREASED OXYGEN CONSUMPTION AND REDUCED OUTPUT
CAPABILITY EXPERIENCED BY PERSONNEL WORKING IN
REDUCED TRACTION ENVIRONMENT
A65-10535
- TARDIFF, R.
RADIATION INDUCED CHANGES IN ADENOSINE
TRIPHOSPHATASE ACTIVITY OF SPLEEN APPLIED TO
CHRONIC GAMMA IRRADIATION AND INFLUENCE OF
VARIOUS FACTORS ON ACUTE RADIATION INJURY
N65-19218
- TARDY, M. E.
HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES
TAC-TR-63-18
N65-16669
- TARKHOVA, L. P.
CONTENT OF CHLOROBENZOL IN AIR AND BIOLOGICAL
- EFFECT OF SMALL CONCENTRATION ON MAN
N65-24939
- TARLTON, S. W.
LEGAL ASPECTS AND PATHOLOGICAL PROBLEMS DURING
INVESTIGATION OF COMMERCIAL AIRCRAFT ACCIDENT IN
EQUATORIAL AFRICA
A65-81517
- TART, C. T.
LITERATURE REVIEW OF STUDIES ON EXPERIMENTAL
CONTROL OF DREAMING
A65-82045
- TARUSOV, B. N.
SYMPOSIUM ON PHYSICO-CHEMICAL BASES OF BIOELECTRIC
POTENTIALS
JPRS-31971
N65-33430
- TARUTSINA, L. A.
MATHEMATICAL MODELS FOR DETERMINING
COMBINATIVE CAPABILITIES RELATED TO GENETICS
JPRS-31830
N65-32760
- TASCH, P.
LIFE-FORMS IN METEORITES AND THE PROBLEM OF
TERRESTRIAL CONTAMINATION - A STUDY IN METHODOLOGY
A65-81241
- TASHIMA, L. S.
EFFECT OF COLD EXPOSURE AND HIBERNATION ON THYROID
ACTIVITY AND IODINE 131 METABOLISM IN MESOCRICETUS
AURATUS
A65-81594
- TASHMUKHAMEDOV, B. A.
DETERMINATION OF RENEWAL RATE OF PHOSPHOPROTEIN
PHOSPHORUS IN RAT CORTEX BY MEANS OF ION PUMP
N65-35153
- TASSINARI, C. A.
ELECTRODERMOGRAM DURING SLEEP RELATED TO
APPEARANCE OF RAPID EYE MOVEMENTS
A65-80571
- ELECTRODERMAL RESPONSE DURING SLEEP AND
WAKEFULNESS IN MAN
A65-81496
- TATYREK, A. F.
HEALTH HAZARDS OF SMOKE DYES IN CURRENT USE
PA-TM-1674
N65-34680
- TAUB, A.
LOCAL, SEGMENTAL AND SUPRASPINAL INTERACTION WITH
DORSOLATERAL SPINAL CUTANEOUS AFFERENT SYSTEM,
EXAMINING ELECTRIC STIMULATION EFFECTS
A65-16311
- SIMULATOR TRAINING FOR MOTION SICKNESS
SUPPRESSION IN PROLONGED SPACE FLIGHT
NASA-CR-64639
N65-33256
- TAUB, F. B.
PROTEIN LEVEL OF ALGAE, CHLORELLA PYRENOIDOSA
71105, AS AFFECTED BY LIMITED NITRATE CONDITIONS
AND LIGHT
A65-81976
- CULTURE MEDIUM FOR SURVIVAL AND REPRODUCTION OF
DAPHNIA WATER FLEA IN SEVEN DAY SPACE FLIGHT
NASA-CR-56112
N65-17053
- TAUB, H. A.
RECALL OF VISUAL SYMBOLS RELATED TO DIFFERENTIAL
VALUE, MEMORY LOAD, AND EXPOSURE TIME
A65-80791
- TAYAL, D. P.
INTERVENING NEURAL ACTIVITY IN VISUAL PERCEPTION -
HYPOTHETICAL CONSTRUCT
A65-81244
- TAYLOR, D. H.
GALVANIC SKIN RESPONSE OF DRIVERS AND RISK OF
ACCIDENTS
A65-80347
- LATENCY MODELS FOR REACTION TIME DISTRIBUTIONS
A65-81480
- TAYLOR, E. R.
HUMAN PHYSIOLOGICAL EFFECTS AND TOLERANCE TO
SIMULATED SPACE CABIN LANDING IMPACTS IN ALL BODY
POSITIONS AND CONFIGURATIONS
A65-14223

- PSYCHOLOGICAL EFFECTS OF SIMULATED SPACE CABIN
LANDING IMPACT VECTOR ON HUMAN IN DIFFERENT
POSTURAL POSITIONS A65-80129
- TAYLOR, H. A.
INFORMATION PROCESSING FROM BRIEF VISUAL DISPLAYS
ASSESSED ON BASIS OF PROBABILISTIC MODEL BY NEW
DETECTION METHOD A65-80390
- TAYLOR, H. F.
MAXIMAL DIFFUSING CAPACITY OF LUNG FOR CARBON
MONOXIDE AT REST AND DURING EXERCISE A65-80821
- FUNCTIONAL SIGNIFICANCE OF LOW PULMONARY DIFFUSING
CAPACITY FOR CARBON MONOXIDE AT SEA LEVEL AND HIGH
ALTITUDE A65-81185
- TAYLOR, J.
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- TAYLOR, J. C.
TEAM-TRAINING EFFECTIVENESS AS FUNCTION OF TASK
COMPLEXITY, ORGANIZATION AND SKILL IN SIMULATED
RADAR CONTROLLED AERIAL INTERCEPT TASK A65-82173
- TAYLOR, J. G.
BEHAVIORAL BASIS OF PERCEIVED SIZE AND DISTANCE
AND EXPLANATION OF SIZE ILLUSIONS A65-81404
- TAYLOR, J. H.
SURVEY ON HUMAN VISUAL CAPABILITIES IN SPACE
FLIGHT
AD-606802 N65-11484
- TAYLOR, M. M.
NON-ADDITIVITY OF PERCEIVED DISTANCE WITH
MUELLER-LYER FIGURE A65-81648
- TIME SHARING AND VIGILANCE ANALYSED IN VIEW OF
SIGNAL DETECTION THEORY A65-81657
- TAYLOR, S.
CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC
GROUND SQUIRREL AND RAT A65-81173
- TAYLOR, V. A.
JET TRANSPORT USE EFFECT ON AIRLINE LANDING
ACCIDENTS A65-82000
- TEACHER, C. F.
SPEECH PERCEPTION THEORY AND APPLICATION OF THEORY
TO VOICE SOUND RECOGNITION PROBLEM
RADC-TR-65-184 N65-34570
- TEGT, R. P.
IMPULSIVE NOISE MEASUREMENT VIA EXTENDED ACOUSTIC
TRANSIENT RESPONSE FOR FIELD STUDIES OF WEAPONS,
USING VARIOUS MICROPHONE SYSTEMS A65-32635
- PROBLEMS OF MEASURING IMPULSE NOISE INTENSITY FROM
VARIOUS WEAPON SYSTEMS A65-81682
- TEICHERT, P.
PULMONARY GAS EXCHANGE AFTER HEMORRHAGE DURING
INTERMITTENT POSITIVE PRESSURE BREATHING IN DOGS
A65-82323
- TEICHNER, W. H.
INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF
INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE
SITUATIONS A65-10536
- PSYCHOLOGICAL EXPERIMENTS WITH SUBJECTIVE
INFORMATION, DEFINED AS AMOUNT OF INFORMATION IN
JUDGMENTS OF NUMBER AND FREQUENCY OF EVENTS
A65-18288
- SHORT-TERM MEMORY UNDER WORK-LOAD STRESS
A65-81979
- TEISINGER, J.
PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN A65-80684
- PULMONARY RETENTION AND EXCRETION OF MERCURY
VAPORS IN MAN A65-81625
- TELCHAROV, L. M.
CHANGES IN CENTRAL NERVOUS SYSTEM AT MOUNTAIN
ALTITUDES N65-17820
- TELESNIN, B. R.
PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL
STRUCTURES OF HOMOGENEOUS EXCITED TISSUE N65-27244
- TELLER, E.
WATER GENERATION IN SPACE ENVIRONMENT - LUNAR
EXPLORATION N65-18582
- TELTSOV, M. V.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- TEMBY, A. C.
SOUND DIFFRACTION MEASUREMENT IN VICINITY OF HUMAN
EAR FOR POSITIONING MICROPHONE A65-81349
- TEMPLETON, W. B.
VISUAL-MOTOR ADAPTATION IN MAN TO DISCORDANT
EXAFFERENT STIMULATION A65-81980
- TENNEY, J. B., JR.
STERILIZATION CONTAINER DESIGN FOR HARD AND SOFT
PLANETARY LANDERS
AIAA PAPER 65-387 A65-30207
- TENNEY, S. M.
POSTURAL EFFECT ON VENTILATORY CONTROL IN MAN
A65-80665
- CONTROLLED FREQUENCY BREATHING DURING MUSCULAR
EXERCISE AS RELATED TO CHANGES IN ALVEOLAR GAS
TENSIONS A65-80672
- TEPER, G. L.
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946
- TEPLOV, B. M.
PROBLEMS OF PERSONNEL SELECTION N65-13738
- TERASHIMA, S.
AUDIOVISUAL INTERACTION AND ITS CORRELATION WITH
CORTICAL STIMULATION IN LATERAL THALAMUS A65-81926
- TEREBINSKI, S. J.
DECISION-MAKING SUCCESS RELATED TO LEADERSHIP IN
SMALL GROUPS - MATHEMATICAL APPROACH A65-80790
- TERENTEV, V.
CLINICAL OBSERVATION OF REACTION OF CREW OF
SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHOD
NOTING VESTIBULAR EFFECTS A65-28331
- FIRST COSMIC EXPEDITION- BIOMEDICAL RESEARCH ON
ASTRONAUT RESPONSE A65-81486
- TERNES, J. W.
LEARNING SET PERFORMANCE OF SQUIRREL MONKEYS AFTER
RAPID DECOMPRESSION TO VACUUM, NOTING PHYSICAL
EFFECT A65-16554
- RAPID DECOMPRESSION OF PRIMATES TO NEAR VACUUM
CONDITIONS FOR RECOVERY OF ABILITY TO PERFORM
COMPLEX TASKS PRIOR TO DECOMPRESSION
SAM-TDR-64-42 N65-16878
- TERNOV, V. I.
EFFECT OF IONIZING RADIATION ON IMMUNITY IN RATS
N65-28299
- TERRY, J. L.
ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY
ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF
PLUTONIUM-BEARING WEAPON SIMULANT

- UR-665 N65-28325
- TERRY, J. M.
SELF POSITIONING DEVICE FOR COLLECTION OF PAROTID
FLUID FROM ISOLATED HUMAN SUBJECTS
SAM-TDR-64-8 N65-33677
- THALER, V. H.
MODIFICATION OF THERMOREGULATORY RESPONSES TO COLD
AND VIGILANCE PERFORMANCE BY HYPNOSIS A65-80066
- THAUER, R.
SHIVERING IN ANESTHETIZED DOGS INDUCED BY LOCAL
COOLING WITHIN VERTEBRAL CANAL A65-80322
- THAYER, W. S.
CUSHIONED CONTOUR COUCH TRANSMITTING MINIMUM
DISCOMFORT TO PILOT DURING ACCELERATION,
VIBRATION AND/OR SHOCK A65-30013
- TRACTIONLESS EXPERIMENTAL METHOD PROVIDING
WEIGHTLESSNESS SIMULATION ALTHOUGH LIMITED TO
ROTATION ABOUT SINGLE AXIS A65-30014
- THERIAULT, R. J.
HETEROTROPHIC GROWTH, CARBOHYDRATE METABOLISM AND
PRODUCTION OF XANTHOPHYLLS BY CHLORELLA
PYRENOIDOSA A65-81285
- THIEDE, F. C.
FLUID FILLED LIMIT STRETCH DEVICE DESIGN FOR
PROTECTION AGAINST IMPACT ACCELERATION A65-11399
- THIESEN, J. W.
STRESS SYNDROME RELATED TO ACHIEVEMENT
MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM
CHOLESTEROL A65-81753
- THODOS, G.
THERMAL VAPORIZATION FOR WATER RECOVERY FROM URINE
A65-24457
- THOMAS, A. A.
SPACE CABIN ATMOSPHERE TOXICOLOGY - A NEW RESEARCH
FACILITY A65-82091
- MONKEY PERFORMANCE FOLLOWING INJECTION OF
DECABORANE
AMRL-TDR-64-74 N65-10268
- DETERMINATION OF HYDRAZINE AND 1-METHYL HYDRAZINE
IN BLOOD SERUM - TOXICOLOGY
AMRL-TDR-64-24 N65-31864
- THOMAS, D. G.
HUMAN ENGINEERING IN SYSTEMS DESIGN
N65-23960
- THOMAS, D. M. C.
DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF
PARTICULATE MATERIAL DURING OPERATION ROLLER
COASTER INCLUDING PERFORMANCE OF CASCADE
IMPACTORS AND FITTING OF DISTRIBUTIONS
AWRE-D-20/65 N65-28885
- THOMAS, D. W.
APOLLO PROJECT - KINESTHETIC EFFECTS OF ASTRONAUT
MOVEMENTS ON CENTER OF GRAVITY OF LUNAR FLIGHT
VEHICLE
NASA-CR-61079 N65-29966
- THOMAS, F. W., JR.
MAINTAINING ENVIRONMENTAL CONTROL REQUIREMENTS FOR
FABRICATION AND ASSEMBLY OF STERILE SPACE VEHICLES
A65-30032
- THOMAS, H. D.
CIRCULATORY AND VENTILATORY RESPONSES TO
POSTPRANDIAL EXERCISE A65-81361
- RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS
LACTATE IN MAN WITH PHYSICAL EXERCISE
A65-81904
- THOMAS, J. G.
EYE DYNAMICS STUDIED BY MEANS OF
PIEZO-ACCELEROMETER A65-81014
- THOMAS, J. M.
AGE AND STIMULUS SIZE EFFECTS ON PERCEPTION IN MAN
A65-80014
- THOMAS, R. G.
USAF WHOLE BODY GAMMA SPECTROMETRY IN ASSESSMENT
OF RADIOACTIVITY IN BIOLOGICAL AND ENVIRONMENTAL
SPECIMENS A65-81970
- THOMAS, R. H.
APPARATUS FOR LUMINANCE-THRESHOLD DETERMINATION IN
ANIMALS A65-81418
- THOMPSON, C. I.
PULSE-TO-CYCLE FRACTION AND CRITICAL FLICKER
FUSION A65-82260
- THOMPSON, D.
DEPTH PERCEPTION INFLUENCED BY RELATIVE HEIGHT ON
PICTURE PLANE A65-82338
- THOMPSON, D. A.
PERFORMANCE ON COMPLEX PSYCHOMOTOR ASSEMBLY TASK
UNDER FOUR SPEED CONDITIONS A65-81001
- THOMPSON, F. W., JR.
SPACE CABIN ATMOSPHERE REGENERATION AND CONTROL
PROBLEMS COVERING CARBON DIOXIDE, WATER, OXYGEN
CONCENTRATIONS AND TRACE CONTAMINATION
ASME PAPER 65-AV-47 A65-23454
- THOMPSON, G.
PHYSIOLOGICAL PARAMETERS GOVERNING DESIGN OF
AUTOMATIC RESPIRATORS
HDL-TM-64-23 N65-19416
- THOMPSON, L. W.
AGING AND VISUAL IDENTIFICATION OF TACTUAL-
KINESTHETIC FORMS A65-81123
- THOMPSON, M. O.
AEROSPACE MEDICAL AND BIOENGINEERING
CONSIDERATIONS IN M-2 LIFTING BODY RESEARCH
VEHICLE, DISCUSSING PROTECTIVE EQUIPMENT, ESCAPE
AND MEDICAL MONITORING SYSTEMS A65-14229
- AEROSPACE MEDICAL AND BIOENGINEERING
CONSIDERATIONS IN M-2 LIFTING REENTRY VEHICLE
RESEARCH AIRCRAFT OPERATIONS A65-80136
- THOMPSON, P. D.
MARINE BIOLOGICAL SOUND PRESENT IN TAPE RECORDINGS
OBTAINED FROM SHALLOW AND DEEP HYDROPHONES
NEL-1290 N65-33374
- THOMPSON, R.
CENTRENCEPHALIC THEORY AND INTERHEMISPHERIC
TRANSFER OF VISUAL HABITS A65-82216
- THOMPSON, R. D.
DESIGN AND IMPLANTATION OF SENSORS AND TRANSDUCERS
FOR PHYSIOLOGICAL MEASUREMENTS IN WILD BIRDS
A65-81051
- THOMPSON, S.
SPECTRAL TRANSMITTANCE OF VISIBLE LIGHT BY LIVING
HUMAN EYE A65-81412
- THOMPSON, S. E.
HALF-LIFE OF FALLOUT RADIONUCLIDE EFFECT ON
PLANTS - IODINE 131
UCRL-12388 N65-21933
- THOMSON, D.
MIXED VENOUS CARBON DIOXIDE TENSION DETERMINED BY
CARBON DIOXIDE REBREATHING METHOD - INFLUENCE OF
REBREATHING TIME A65-81508
- THOMSON, K. F.
HUMAN FACTOR LABORATORY EMPHASIZING TRANSFER OF
TRAINING AND TACTICAL DECISION MAKING
A65-13527
- THOMSON, M. L.
PULMONARY DIFFUSING CAPACITY IN MAN DURING
IMMERSION IN WATER A65-81900
- THOMSON, R. A. E.
WEIGHT, TEMPERATURE, AND HEMATOLOGIC CHANGES OF

- DOG DURING EXPOSURE TO TWO LEVELS OF PULSED
MICROWAVES A65-82364
- THORNE, H. W.
FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING
DEVICES FOR FIXED PROCEDURES TASKS
TR-65-4 N65-30134
- THORNE, J. P.
COMPUTER PROGRAMMING AND INFORMATION RETRIEVAL FOR
LINGUISTIC TRANSFORMATIONAL ANALYSIS
RADG-TDR-64-200 N65-16009
- THORNTON, W. A.
SOLID STATE IMAGE INTENSIFIER PANELS WITH IMPROVED
CHARACTERISTICS
NAVTRADEVEN-1440-1 N65-31622
- THUNE, L. E.
INHIBITION OF OPERATING ABILITY BY TRAINING ON
RELATED COMPLEX DEVICE AND RETURN TO ORIGINAL
DEVICE - INHIBITION TEST USING DESK CALCULATORS
TR-11 N65-16700
- THURLOW, W. R.
PULSE-TONE AND PULSE-PULSE STIMULI PRESENTED IN
DIFFERENT POSITIONS IN SPACE AS RELATED TO
DIRECTION OF PERCEPTION A65-81377
- TICKNER, A. H.
TRANSFER OF TRAINING BETWEEN SPACE-ORIENTED AND
BODY-ORIENTED CONTROL TASKS A65-80708
- INTERMITTENT DISPLAY PRESENTATION IN COINCIDENCE
JUDGMENTS A65-81223
- TICKNER, E. G.
ELASTIC BEHAVIOR OF HUMAN BRACHIAL AND OTHER
HUMAN AND CANINE ARTERIES ANALYZED BY NONLINEAR
MEMBRANE THEORY
NASA-CR-63917 N65-29149
- TIEDEMANN, J. G.
IMPROVEMENT OF PERSONNEL WORK PERFORMANCE
CHARACTERISTICS IN MILITARY MONITOR SYSTEMS
AD-609112 N65-18001
- TIEDT, N.
RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND
EXTERNAL PRESSURE IN RABBITS
FTD-TT-65-307/16264 N65-30927
- TIERNEY, D. F.
ALTERED SURFACE TENSION OF RABBIT AND RAT LUNG
EXTRACTS AND LUNG MECHANICS. A65-82157
- TIKHOMIROV, E. P.
POSTERIOR LATERAL TRANSVERSE ACCELERATION OF
MAXIMAL DURATION A65-80393
- TIKHOMIROV, I. I.
CARDIOVASCULAR RESPONSE TO LOW ENVIRONMENTAL
TEMPERATURE AND LOW ATMOSPHERE PRESSURE DURING
ANTARCTIC DAYS AND NIGHTS AND PHYSICAL EXERCISE
A65-80263
- CHANGES IN RESPIRATION DURING ACCLIMATIZATION IN
INTERIOR OF ANTARCTICA A65-80709
- PHYSIOLOGICAL SHIFTS IN HUMAN ORGANISM AT VERY LOW
TEMPERATURES, LOW ATMOSPHERIC PRESSURES, AND
POLAR NIGHT IN CENTRAL REGIONS OF ANTARCTICA
FTD-TT-64-286/162 N65-17083
- HEMODYNAMIC CHANGES IN HUMAN BLOOD DURING POLAR
WINTER
FTD-TT-64-285/1 N65-19194
- TIKHONOV, K. B.
MORPHOLOGICAL CHANGES IN WALLS OF LARGE AND SMALL
BLOOD VESSELS UPON EXPOSURE TO IONIZING
RADIATION N65-26394
- TIKHONOVA, N. A.
EFFECT OF CONSTANT MAGNETIC FIELD ON BEHAVIOR OF
PARAMECIUM CAUDATUM N65-32664
- TILGNER, S.
EOSINOPHIL REACTION TO OCULAR LIGHT STIMULI
- MEASURED IN MAN AND MOUSE A65-80194
- TILIS, A. YU.
OXYGEN SUPPLY FOR PATIENTS WITH HEART VALVE
DEFECTS IN MOUNTAIN CLIMATE ENVIRONMENT N65-17834
- TILLMAN, T. W.
AUDIOLOGICAL RESEARCH PROJECT PROGRESS REPORT -
AUDITORY FUNCTION OF IMPAIRED HEARING
AD-465819 N65-30534
- TIMBAL, J.
SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED
BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES
OPERATED AT OVERPRESSURES TO COUNTERACT HIGH
ALTITUDE HYPOXIA A65-36366
- SPEECH DURING PRESSURE BREATHING AND SUGGESTION
FOR RETAINING FLYING PERSONNEL A65-80112
- PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING
ANTI-G SUITS RELATED TO PULMONARY CAPILLARY
CIRCULATION A65-80872
- ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE
POSITION DURING EXPOSURE TO FORWARD ACCELERATION
A65-82153
- TIMIRAS, P. S.
BRAIN MATURATION CORRELATION WITH ALTITUDE
ACCLIMATIZATION AS MEASURED BY ELECTROSHOCK
SEIZURES IN RATS A65-16782
- ELECTROCONVULSIVE RESPONSES OF RATS TO CONVULSANT
/STRYCHNINE AND METRAZOL/ AND ANTICONVULSANT
/ACETAZOLAMIDE AND DIPHENYLHYDANTOIN/ DRUGS DURING
HIGH ALTITUDE ACCLIMATIZATION A65-80225
- PREPYRIFORM ELECTRICAL ACTIVITY OF CEREBRAL CORTEX
IN RAT DURING EXPOSURE TO HIGH ALTITUDE A65-81495
- TIMOFEYEV-RESOVSKIY, N. V.
RADIATION BIOLOGY INVESTIGATIONS WITH FRESH
WATER ORGANISMS - CYBERNETICS N65-30265
- TIMOFEYEV, N.
EXTRATERRESTRIAL SPACE CABIN ENVIRONMENT FOR
EXTENDED SOLAR SYSTEM TRAVEL
FTD-TT-65-72/162 N65-27586
- TINDALL, G. T.
ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS AS AFFECTED
BY ACUTE INCREASE IN INTRACRANIAL PRESSURE
A65-82042
- TISCHER, R. G.
ELECTROLYTIC METHOD TO DESTROY MIXTURE OF URINE
AND FECES A65-21695
- ELECTROLYZED DAILY OUTPUT /HUMAN FECES AND URINE
TREATED ELECTROCHEMICALLY/ USED AS GROWTH MEDIUM
FOR CHLORELLA 71105 A65-22770
- BACTERIA-FREE CULTURES OF ANABAENA FLOS-AQUAE
A-37 OBTAINED BY TECHNIQUE OF POSITIVE OPERATOR
BIAS A65-31653
- EXTRACELLULAR PRODUCTS OF HYDROGENOMONAS
EUTROPHA, USING PAPER CHROMATOGRAPHY AND
RADIOAUTOGRAPHY WITH CARBON 14 A65-31725
- PHYSIOCHEMICAL AND MICROBIOLOGICAL EVALUATION OF
ELECTROCHEMICAL DEGRADATION OF HUMAN WASTES
AD-461006 N65-26318
- TISMER, E.
PSYCHOMOTOR TEST METHODOLOGY AND PRACTICABILITY
FOR PERFORMANCE PROGNOSSES
DLR-FB-65-27 N65-33289
- TITOVA, L. K.
ORGAN OF CORTI- HISTOPHYSIOLOGY AND
HISTOCHEMISTRY A65-81422
- STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF URICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655

- TIXADOR, R.**
EFFECT OF NATURAL IONIZING RADIATION ON
GROWTH OF PROTOZOAN, PARAMECIUM CAUDATUM
A65-81254
- TKACHENKO, Z. YA.**
RESPONSE OF NEURAL ELEMENTS IN DIFFERENT PARTS OF
DIGESTIVE SYSTEM TO X-RAY IRRADIATION
N65-24877
- TKACHEV, A. P.**
CHEMICAL, BACTERIAL, AND RADIATION PROTECTION BY
GAS MASKS AND PROTECTIVE CLOTHING
FTD-TT-64-998/162
N65-20024
- TLUSTY, V.**
NATURAL AND SOCIAL ASPECTS IN HUMAN PSYCHOLOGY
FTD-TT-64-65/1
N65-16287
- TOBEY, S.**
ABILITY OF POTASSIUM SUPEROXIDE, POTASSIUM
HYDROXIDE, AND ACTIVATED CHARCOAL SYSTEM TO
SUSTAIN LIFE OF RAT AND MAN IN CLOSED ECOLOGICAL
SYSTEM
A65-81251
- TOBIAS, C.**
MYELINATED FIBER DEGENERATION AND REGENERATION IN
CEREBRAL AND CEREBELLAR CORTEX DAMAGED BY 48 MEV
ALPHA PARTICLE RADIATION
A65-21945
- TOBIAS, J. V.**
ANNOTATED BIBLIOGRAPHY OF FATIGUE, MALINGERING,
NYSTAGMUS, DRUGS, AND FORENSIC SCIENCE
FAA-AM-64-16
N65-15308
- ANNOTATED BIBLIOGRAPHY OF AVIATION MEDICINE
TRANSLATIONS
AM-65-17
N65-26955
- TOBIAS, K. A.**
HEAVY ACCELERATED ION EFFECT ON ENZYMES AND YEAST
CELLS FOR STUDY OF CELLULAR MODIFICATION
N65-23466
- TODD, P.**
BIOLOGICAL EFFECTS OF HEAVY IONS - RADIATION
EFFECTS IN ANIMALS AND MAN
N65-34586
- TODMAN, L.**
RADIATION EFFECT ON RETINA - BURN INJURY STUDY
R-1747
N65-23889
- TOKAREV, YU. N.**
EFFECT OF MUSCULAR EFFORT REDUCTION AND LACK OF
HYDROSTATIC BLOOD PRESSURE ON HUMAN BLOOD
CIRCULATION
N65-13737
- TOKARSKAIA, V. I.**
DEAMINATION OF ADENINE IN DNA MOLECULE AFTER
HYDRATION OF PEA SEEDS EXPOSED TO FAST-NEUTRON
IRRADIATION
A65-82180
- TOLANSKY, S.**
VISUAL PROBLEMS AND OPTICAL ILLUSIONS
A65-81423
- TOLHURST, G. C.**
VERTICAL ORIENTATION OF TARGET
NAVTRADEVCE-1H-19
N65-16753
- VISUAL DEPRIVATION EFFECTS ON ADAPTATION TO
ROTATING ENVIRONMENT - MOTION SICKNESS STUDIES
NASA-CR-67537
N65-36431
- TOLK, J.**
RELATIONSHIP OF EXTERNAL AUDITORY CANAL, MIDDLE
EAR, AND INNER EAR TO BONE CONDUCTION IN CATS
A65-82129
- TOLSTOV, V. M.**
DIAGNOSIS AND MEDICAL OPINION OF FLIGHT PERSONNEL
AFFLICTED WITH ATHEROSCLEROSIS
N65-13733
- TOMANEK, R.**
DIFFERENTIAL DIAGNOSIS OF OCCUPATIONAL DISORDERS
OF HEARING DUE TO NOISE HAZARDS
A65-81929
- TOMAS-ESCUE, A.**
IMPORTANCE OF OSTEOARTICULAR DISEASE IN AVIATION
MEDICINE
A65-81829
- TOMASHEFSKI, J. F.**
PULMONARY MECHANICS IN ALTITUDE CHAMBER IN NORMAL
AND OBSTRUCTIVE LUNG DISEASED PATIENTS
A65-81973
- TOMBAL, J.**
PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS
OF PRESSURIZED SUITS
A65-80120
- TOMBERG, V. T.**
BIOINSTRUMENTATION AND MONITORING SYSTEM FOR
ENVIRONMENT CONTROL TO REDUCE PSYCHOPHYSIOLOGICAL
STRESS
A65-10697
- TOMOVA, N.**
SYNCHRONOUS CULTURE OF CHLORELLA PYRENOIDOSA
PRINGS. 82 WITH VARIOUS FORMS OF NITROGEN
SOURCES, OBSERVING GROWTH
A65-32567
- ASSIMILATION OF NITRATE AND AMMONIUM NITROGEN BY
CHLORELLA PYRENOIDOSA PRINGSHEIM 82T
A65-80599
- TOMOVIC, R.**
SPECIFIC FEATURES OF TARGET APPROACH IN BIOLOGICAL
SYSTEMS CONSIDERING DESIGN OF AUTOMATA WITH
SIMILAR PERFORMANCES, USING OPTIMAL CONTROL THEORY
A65-23787
- TOOR, M.**
ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT
INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL
EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION
A65-80662
- TOPMILLER, D. A.**
ANALYTIC APPROACH TO HUMAN ENGINEERING ANALYSIS
AND PREDICTION OF SYSTEM MAINTAINABILITY FOR
AIRCRAFT CONSTRUCTION
AMRL-TR-64-115
N65-17138
- TORDOIR, W. E. M.**
INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT
A65-81107
- INFLUENCE OF FLASH INTENSITY UPON VISUAL EVOKED
RESPONSE IN HUMAN CORTEX
A65-81991
- TORELLI, G.**
MECHANISM OF TOXIC ACTION OF CARBON MONOXIDE AND
OXYGEN TREATMENT
A65-80295
- TORO, G.**
ENDURANCE EXERCISE EFFECT ON SERUM LIPIDS OF
MIDDLE-AGED MEN
A65-80204
- TORRI, G.**
THORACIC CAGE PASSIVE ELASTIC FORCE DETERMINED
FROM THORACIC CIRCUMFERENCE, INTRATHORACIC
PRESSURE AND PULMONARY VOLUME RELATIONSHIPS
A65-23231
- TOST, M.**
HYPOTHERMIA EFFECT ON EYE - CLINICAL,
BACTERIOLOGICAL, PATHOLOGICAL AND ANATOMICAL
FINDINGS
A65-81726
- TOUCHSTONE, R. M.**
VIBRATION EFFECT ON HUMAN PERFORMANCE
AMRL-TR-64-83
N65-13996
- TOUZET, R.**
STRONTIUM 90 AND NATURAL STRONTIUM IN BONES AND
DIETS OF CHILDREN
N65-36616
- TOWERS, A. G.**
HYPERBARIC OXYGEN EFFECT ON MICROORGANISMS
PATHOGENIC FOR MAN
A65-19840
- GROWTH OF HUMAN PATHOGENIC BACTERIA AS AFFECTED BY
HYPERBARIC OXYGEN
A65-80725
- TOWNSEND, J. C.**
PREDICTING DECISION MAKING BEHAVIOR FROM

- PERSONALITY AND COGNITIVE VARIABLES
ESD-TDR-64-619 N65-17012
- TOWNSEND, V.
BINOCULAR MASKING INDUCED BY MOVING OBJECT IN PART
OF EITHER OF TWO BINOCULAR FIELDS A65-81407
- TRAHS, E.
EFFECT OF DRY HEAT ON CEREBRAL BLOOD CIRCULATION
IN MAN A65-81691
- TREBST, A.
PHENYLENE DIAMINE AS ELECTRON DONOR AND EFFECT OF
ULTRAVIOLET RADIATION ON PHOTOSYNTHETIC
REACTIONS IN ISOLATED CHLOROPLASTS
AFCL-65-550 N65-34185
- TREDICI, T. J.
PROLONGED EXPOSURE OF DOGS TO HIGH OXYGEN
ENVIRONMENT RESULTING IN RETINAL DETACHMENT AND
OTHER SEVERE OCULAR DAMAGE A65-14385
CURRENT UNITED STATES POLICY ON GLAUCOMA AFFECTING
PERSONNEL AND FLIGHT DUTY A65-81950
- TREGER, A.
SECONDARY POLYCYTHEMIA IN ADOLESCENTS OF BOTH
SEXES LIVING AT HIGH ALTITUDE A65-81964
- TREHUB, A.
ELECTROENCEPHALOGRAPH OF HUMAN SUBJECTS UNDER
RESTING CONDITIONS AND DURING REPETITIVE PHOTIC
STIMULATION A65-82063
- TRIBBLE, H. R., JR.
VIRUS GROWTH IN SERUM-FREE SUSPENSION ANIMAL CELL
CULTURES N65-22311
- TRIBULEV, G. P.
VOSTOK III AND IV SPACE FLIGHT RADIATION
EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI
K-12 /LAMBDA/ SUSPENSIONS A65-35818
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI
INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND
VOSTOK-4 A65-81620
BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682
SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC
BACTERIA ESCHERICHIA COLI K-12 - PHAGE
PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE
TO IONIZING RADIATION N65-34943
- TRIMBLE, A. S.
REPORT ON STUDIES WITH GROUND HOG, MARMOTA
MONAX - BIOCHEMICAL AND PHARMACOLOGICAL
INVESTIGATIONS OF BLOOD AND BROWN FAT A65-81457
- TRINCHER, K. S.
PHYSIOCHEMICAL INTERPRETATION OF LIFE FUNCTIONS
USING PERFORMING MODELS - ELEMENTS OF BIOLOGICAL
THERMODYNAMICS
JPRS-28949 N65-17978
- TRIPATHI, R. C.
PERCEPTUAL MOTOR SPEED AS RELATED TO ACCIDENT
PRONENESS A65-82313
- TRITES, D. K.
TRAINING ENTRY AGE OF AIR TRAFFIC CONTROL
SPECIALISTS AND INTERACTION WITH INTELLECTUAL
AND PERSONALITY CHARACTERISTICS A65-14235
HEALTH, MORALE AND BEHAVIORAL HABIT CORRELATION
WITH FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC
CONTROL FACILITIES, NOTING STRESS-RELATED SYMPTOMS
A65-22910
TRAINING-ENTRY AGE, INTELLECTUAL AND PERSONALITY
CHARACTERISTICS OF AIR TRAFFIC CONTROL
- SPECIALIST RELATED TO PASS-FAIL DATA A65-80144
- FREQUENCY OF SHIFT ROTATION AT AIR TRAFFIC CONTROL
FACILITIES AND STRESS-RELATED SYMPTOMS A65-80895
- SELF-REPORTED STRESS-RELATED SYMPTOMS AMONG AIR
TRAFFIC CONTROL SPECIALISTS AS INFLUENCED BY
OCCUPATIONAL EXPERIENCE A65-82122
- TRONCZYNSKA, J.
COMPARATIVE STUDIES OF AUDIOMETRIC BONE CONDUCTION
AS INDICATOR OF HEARING IMPAIRMENT A65-81504
- TRONZANO, L.
PARALYSIS OF ARM IN ACUTE CARBON MONOXIDE
POISONING A65-80287
- TROQUET, J.
INFLUENCE OF SUPINE POSTURE ON MECHANICAL WORK OF
BREATHING A65-81274
SUPERFICIAL RESPIRATION AND RESPIRATORY EDEMA
INDUCED IN RABBIT BY OZONE INHALATION A65-82350
- TROSTLE, H. S.
OCULAR MOTILITY PROBLEMS IN FLYING PERSONNEL
RELATING TO SAFETY A65-80148
- TROW, W. H.
FILMSTRIP AND SLIDE TECHNIQUES FOR INDIVIDUALIZED
PROGRAMMED INSTRUCTION
AMRL-TR-65-78 N65-30119
FEASIBILITY OF MODULAR DESIGN FOR AUDIOVISUAL
AUTOINSTRUCTIONAL EQUIPMENT
AMRL-TR-65-79 N65-30136
- TRUBITSYNA, G. A.
MUSCULAR BIOCURRENT DISTRIBUTION DEPENDENCE ON
VARIATIONS IN RESPIRATORY METABOLISM OCCASIONED BY
MUSCULAR ACTIVITY AND FLUCTUATIONS OF AMBIENT
TEMPERATURE A65-30482
PHYSIOLOGICAL CHARACTERISTICS OF EXCITATION IN
TOPOGRAPHICALLY DIFFERENT MUSCLE GROUPS DURING
CONDITIONED REFLEX CHANGES IN RESPIRATORY GAS
EXCHANGE N65-31041
- TRUBNIKOVA, V. A.
WRITING MOTION COORDINATION IN SPACE FLIGHT
CONDITIONS FROM SOVIET ASTRONAUT LOGBOOKS
A65-18373
STUDY OF MOVEMENT COORDINATION IN HANDWRITING
DURING SPACE FLIGHT A65-80984
HUMAN ENGINEERING - EFFECT OF VARIATIONS IN
GRAVITATIONAL FORCES ON HUMAN MOTOR SYSTEM
UNDER SPACE FLIGHT STRESSES N65-22723
- TRUCANO, E. B.
INDUSTRIAL HYGIENE SUPPORT IN MISSILE PROGRAM
THROUGH ELIMINATING HEALTH HAZARDS A65-80620
- TRUMBO, D.
RESEARCH LITERATURE ON SELECTION INTERVIEW WHICH
HAS APPEARED SINCE 1949 A65-80785
TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION,
AND RETENTION OF TRACKING SKILL A65-82055
VERBAL CODING AND DISPLAY CODING IN ACQUISITION
AND RETENTION OF TRACKING SKILL A65-82293
- TRUMBO, D. A.
ANALYTIC STUDIES IN LEARNING AND MEMORY OF SKILLED
PERFORMANCE
NASA-CR-63837 N65-28853
- TRUMBULL, R.
WEIGHTLESSNESS AND SPACE ENVIRONMENT INDUCED
MOTION SICKNESS, FATIGUE AND SENSORY DEGRADATION

- COUNTERACTED BY VARIOUS DRUGS A65-33279
- TRYGG, L. E.
BIBLIOGRAPHY ON SYSTEMS ENGINEERING, PHYSICAL
ANTHROPOLOGY, HUMAN ENGINEERING, INSTRUMENTATION
AND SIMULATION, AND TRAINING AND LEARNING
AD-464531 N65-35343
- TSAKIRIS, A. G.
TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT A65-26531
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS
AMRL-TR-64-133 N65-22476
- TSAD, C. H.
RELATIONSHIPS AMONG SWEATING, CUTANEOUS BLOOD
FLOW, AND BODY TEMPERATURE IN WORK A65-81631
- TSARKIRIS, A. G.
PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS N65-17306
- TSCHALAKOW, J.
OCCUPATIONAL POISONING WITH HYDROGEN SULFIDE AND
CARBON DIOXIDE A65-81205
- TSEITINA, A. YA.
ASCORBIC ACID METABOLISM OF ALBINO
RATS AND GUINEA PIGS EXPOSED TO
HIGH TEMPERATURE ENVIRONMENT
AS AFFECTED BY VITAMIN P A65-80265
- TSEITLIN, P. I.
MELTING POINT CURVES FOR DETERMINING EFFECTS OF
IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS
IN DNA MACROMOLECULE N65-26379
- TSEML, G. I.
INCREASING RELIABILITY OF MACHINE PERCEPTION OF
VOCAL SOUNDS BY INTRODUCING REPEATED DEMAND
FTD-TT-65-104/182 N65-30149
- TSETLIN, M. L.
STUDY OF TREMOR IN HUMAN POSTURE MECHANISM
A65-80749
- TSETLIN, V. M.
TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545
- TSINGA, E.
HISTOPATHOLOGICAL AND MITOCHONDRIAL INVESTIGATION
OF EFFECTS OF IRRADIATION ON ALBINO MALE RATS
UR-666 N65-29243
- TSIVILASHVILI, A. S.
CHANGES IN PHYSIOLOGICAL FUNCTIONS OF RABBITS AND
DOGS CAUSED BY EXPLOSIVE DECOMPRESSION N65-13722
- TSOCHEV, TS. N.
EXPERIMENTAL USE OF STERILE HYDROLYSATES OF
VARIOUS ORGANS FOR PROTECTION AGAINST ACUTE
RADIATION SICKNESS IN RATS A65-81870
- TSOROKOVSKIY, YA. I.
PSYCHOLOGICAL AND PHYSICAL TESTING TO DETERMINE
HUMAN PERFORMANCE AND BEHAVIOR WITH CONTROL
DEVICE JPRS-31374 N65-29832
- TUNOD, M.
COCHLEAR OXYGEN TENSION AND BLOOD FLOW AS AFFECTED
BY ADMINISTRATION OF PURE OXYGEN, 8 PER CENT
CARBON DIOXIDE, AND EPINEPHRINE A65-82017
- TSURUTA, S.
LACK OF HOMOLOGY IN OSCILLATION OF NEUTRON STARS
EXAMINING HIGHLY CONDENSED MATTER, PHYSICAL STATE,
NUCLEAR POTENTIALS AND PULSATING MODELS A65-31029
- TSYSAR, A. I.
EFFECT OF COMBINED ACTION OF NOISE AND VIBRATION
ON VIBRATION SENSITIVITY IN ADOLESCENTS A65-82245
- TUCKER, L.
HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE A65-80999
- TUCKER, V. A.
OXYGEN CONSUMPTION, THERMAL CONDUCTANCE, AND
TORPOR IN CALIFORNIA POCKET MOUSE, PEROGNATHUS
CALIFORNICUS A65-81679
- RELATION BETWEEN TORPOR CYCLE AND HEAT EXCHANGE IN
CALIFORNIA POCKET MOUSE, PEROGNATHUS CALIFORNICUS
A65-81680
- TUCKER, W. I.
PHYSIOLOGICAL AND METABOLIC RESPONSE TO
HYPERVENTILATION IN NORMAL AND ANXIOUS HUMANS
A65-80407
- TUCKMAN, B. W.
PERSONALITY STRUCTURE, GROUP COMPENSATION, AND
GROUP FUNCTIONING IN RELATION TO OUTSIDE FACTORS
A65-80742
- TUGARINOV, V. V.
WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES N65-26388
- TULECKE, W.
TISSUE GROWTH OF HIGHER PLANTS IN CONTINUOUS
LIQUID CULTURE - USE IN NUTRITIONAL EXPERIMENT
WITH WEANLING MICE
AMRL-TR-65-101 N65-34492
- TUMERMAN, L. A.
ACRIDINE ORANGE DYE LUMINESCENCE TO DETERMINE
SECONDARY MOLECULAR STRUCTURE OF NUCLEIC ACIDS
N65-25029
- TUNE, G. S.
SEQUENTIAL ERROR IN TIME-SHARING MONITORING TASK
A65-80707
- TUDMY, J. M.
DEVELOPMENT OF DEHYDRATED MEAT AND FISH SALADS FOR
MILITARY AND SPACE USE A65-81556
- TUPUSBEKOV, B. T.
MECHANISMS USED BY ORGANISMS TO ADAPT TO HIGH
ALTITUDE CONDITIONS N65-17818
- TURANOV, V. V.
MATURE ORGANISM ADAPTATION TO HYPOXIA AND BRAIN
IMPORTANCE IN PROCESS N65-17774
- ADULT HUMAN ADAPTATION TO HYPOXIA
N65-17775
- TURBES, C. C.
ELECTROANESTHESIA IN LARGE ANIMALS
N65-16630
- TURBIN, N. V.
MATHEMATICAL MODELS FOR DETERMINING
COMBINATIVE CAPABILITIES RELATED TO GENETICS
JPRS-31830 N65-32760
- TURCEK, M.
PSYCHOLOGICAL EFFECTS OF EXPOSURE TO CARBON
DISULFIDE A65-80392
- TURCHETTO, P.
COMPARISON OF ELECTROCARDIOGRAMS OF SUBJECTS
PERFORMING WORK AND TRAINED ATHLETES A65-81257
- TURLEY, J. A.
BIBLIOGRAPHY AND ABSTRACTS ON EXISTENCE AND
DETECTION OF LIFE OUTSIDE EARTH BIOSPHERE,
ORIGIN OF LIFE, METEORITIC LIFE STUDIES, AND
CONTAMINATION PROBLEMS - EXOBIOLGY
STL-9990-6737-KU-000 N65-19834

TURN, R.
MAN-MACHINE SYSTEM - HUMAN MONITORING TASKS IN
AUTOMATIC CHECKOUT OF SPACE VEHICLES
NASA-CR-67371 N65-35577

TURNBOW, J. W.
PLANE CRASH RESEARCH DECREASES LOSS OF LIFE
A65-81249

DYNAMIC CRASH TESTS OF FIXED-WING AND ROTARY-WING
AIRCRAFT AS RELATED TO SEAT DESIGN
A65-81833

TURNER, A. C.
GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC
CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA
A65-81177

TURNER, E. D.
VIGILANCE PERFORMANCE WITH A QUALITATIVE SHIFT IN
REINFORCERS DURING AUDITORY TASK
A65-81617

TURNER, J. E.
THEORETICAL EVALUATION OF ABSORBED RADIATION DOSE
IN TISSUE - EFFECTS OF SHELL CORRECTIONS TO
STOPPING POWER IN DOSE STUDIES
ORNL-P-659 N65-32829

TURNER, M. D.
GLYCINE INCORPORATION /IN VIVO/ INTO PANCREATIC
CELL PROTEINS OF RAT AS AFFECTED BY HYPOXIA
A65-81177

TUROV, A.
LIVING ORGANISMS AND FUNCTIONS OF SENSORY ORGANS -
PERCEPTION AND STIMULATION IN EXTERNAL
ENVIRONMENT
JPRS-29744 N65-23775

TURRELL, E. S.
ACCLIMATIZATION OF OLDER MEN TO WORK IN HEAT
A65-81602

TUTOCHKINA, L. T.
ACCELERATION EFFECTS ON ANIMAL GROWTH
N65-13642

METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT
N65-13765

TUTTLE, L. W.
EFFECT OF DOSAGE, MATERNAL AGE AT CONCEPTION, AND
GESTATIONAL AGE ON RETENTION OF STRONTIUM 90 BY
FETAL AND NEWBORN RATS
UR-661 N65-22992

TWENTE, J. A.
CORE TEMPERATURE INFLUENCE UPON DURATION OF
HIBERNATION OF GROUND SQUIRREL, CITELLUS
LATERALIS
A65-81139

TWENTE, J. W.
CORE TEMPERATURE INFLUENCE UPON DURATION OF
HIBERNATION OF GROUND SQUIRREL, CITELLUS
LATERALIS
A65-81139

TYCOWA, M.
RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229

TYLER, J. M.
MECHANICAL PROPERTIES OF LUNGS AND THORAX AND
CHEMICAL CONTROL OF RESPIRATION
A65-82020

TYLER, M. D.
REGIONAL DISTRIBUTION OF MYOCARDIAL BLOOD FLOW OF
DOG AS AFFECTED BY HYPOXEMIA AND HYPERCAPNIA
A65-81175

ESTIMATING CORONARY BLOOD FLOW FROM RUBIDIUM-86
CLEARANCE IN DOG AS AFFECTED BY OXYGEN, CARBON
DIOXIDE, AND VASOACTIVE DRUGS
A65-81176

TYNYBEKOV, A. T.
BLOOD PRESSURE NORMS FOR NATIVE MOUNTAIN
INHABITANTS
N65-17835

TYSON, J. W.
SPACE BIOSCIENCES INSTITUTIONS AND INDIVIDUALS
DIRECTORY FOR FACILITATING EXCHANGE OF DATA,
IDEAS, AND INFORMATION
NASA-CR-53419 N65-16826

SPACE BIOLOGY OF PLANTS AND ANIMALS - BIODYNAMICS
N65-20324

TYURIN, A. M.
BLOOD FLOW RATE AND OXIDATION INTENSITY IN HIGH
MOUNTAIN ENVIRONMENT ACCLIMATIZATION
N65-17821

U

UBEDA, E.
ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803

VENTILATION AND OXYGEN TRANSPORT IN HYPOTHERMIC
DOGS
A65-81804

CARBON DIOXIDE TRANSPORT DURING HYPOTHERMIA IN
DOGS
A65-81806

UDALOV, YU. F.
EFFECT OF PARACHUTE JUMPING ON METABOLISM
OF PROTEINS AND VITAMINS
N65-13762

VITAMIN REQUIREMENTS IN DIET OF AVIATORS AND
ASTRONAUTS
N65-13763

UGOLBAYEVA, I. S.
CHARACTER OF HOMEOSTATIC RESPONSE DURING HYPOXIC
HYPOXIA IN DOG AT DIFFERENT GROWTH PERIODS AT
SIMULATED ALTITUDE
A65-80795

HOMEOSTATIC REACTION OF DOGS AT VARIOUS AGES
DURING HYPOXIC HYPOXIA
JPRS-28921 N65-19810

UHR, L.
MEPROBAMATE EFFECT ON VISUAL DETECTION IN MAN
RELATED TO TIME AND DOSAGE
A65-80001

UI, M.
BLOCKAGE IN RATS OF EPINEPHRINE-INDUCED
HYPERGLYCEMIA DURING EXPOSURE TO SIMULATED
ALTITUDES
A65-81474

UKVOLBERG, L. YA.
PHYSIOLOGICAL EFFECT OF CHILLING ON BODY
THERMOREGULATORY MECHANISM
A65-80544

CONFERENCE ON AERODIONIZATION IN INDUSTRIAL HYGIENE
AND OCCUPATIONAL DISEASES
JPRS-30442 N65-25457

ULIANINSKII, L. S.
RESPIRATORY ARRHYTHMIA AND RESPIRATORY
ATRIOVENTRICULAR BLOCK DURING HYPERCAPNIA AND
HYPOXIA IN DOGS
A65-81277

ULLMAN, J. R.
BEHAVIORAL TEST FOR DISTINGUISHING BETWEEN
PERCEPTUAL JUDGMENT MECHANISMS OF HUMANS AND
MACHINES
A65-35479

ULMER, N. S.
MODIFIED TWO CHANNEL, INK SCRIBING
ELECTROCARDIOGRAPH WITH ADDITIONAL ATTACHMENT
FOR RECORDING ELECTRO-OSCILLOGRAMS
N65-25673

ULOVICH, A. I.
NARCOTICS INFLUENCE ON ORGANISM RESISTANCE TO
OXYGEN DEFICIENCY - HYPOXIA AND NARCOSIS
N65-17777

ULRICH, L.
RESEARCH LITERATURE ON SELECTION INTERVIEW WHICH
HAS APPEARED SINCE 1949
A65-80785

TASK PREDICTABILITY IN ORGANIZATION, ACQUISITION,
AND RETENTION OF TRACKING SKILL
A65-82055

VERBAL CODING AND DISPLAY CODING IN ACQUISITION

- AND RETENTION OF TRACKING SKILL
A65-82293
- ULVEDAL, F.
PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE
N65-14454
- ULYANOVA, S. A.
PATIENT TREATMENT FOR BRONCHIAL ASTHMA BY
ACCLIMATIZATION TO HIGH ALTITUDES
N65-17832
- UMANSKIY, S. P.
DEVELOPMENT OF SOVIET FLIGHTSUIT AND SPACESUIT
A65-81959
- G-SUITS AND PROTECTIVE HELMETS FOR INCREASING
ENDURANCE OF PILOTS
JPRS-30380
N65-24696
- UMILTA, C.
MODIFICATION IN VISUAL AND KINESTHETIC
AFTEREFFECT DURING SENSORY DEPRIVATION
A65-80084
- CRITICAL FLICKER FUSION FREQUENCY AND DARK
ADAPTATION AFTER SENSORY DEPRIVATION
A65-80085
- CAPACITY OF RECOGNIZING MASKED FIGURES AFTER
SENSORY-MOTOR DEPRIVATION
A65-82193
- UNGHER, J.
EFFECTS OF AUDITORY AND OPTICAL STIMULI
DISCONTINUANCE ON ELECTROENCEPHALOGRAPH IN CATS.
A65-81713
- UNO, Y.
HIGH TEMPERATURE RESISTANCE OF GERMFREE RATS IN
CLOSED ENVIRONMENT, NOTING KIDNEY DAMAGE EFFECTS
A65-14383
- UNZHIN, R. V.
TRANSISTOR DEVICE FOR REMOTE RECORDING OF HEART
RATE AND RESPIRATORY MOVEMENTS
A65-80714
- UPTON, A. C.
RADIATION EFFECTS DUE TO INTERNALLY DEPOSITED
STRONTIUM 89, STRONTIUM 90, AND CESIUM 137
N65-28341
- URBANO, A.
EFFECTS OF ROTATORY LABYRINTHINE STIMULATION ON
BIOELECTRICAL ACTIVITY OF PARAFLOCCULUS AND OTHER
CEREBELLAR LOBES IN CATS
A65-81544
- URIST, M. R.
STRONTIUM 85 AND STRONTIUM 90 IN HUMAN BODY -
BIOPHYSICS AND NUCLEAR MEDICINE
UCLA-12-538
N65-14988
- URMANCHEEVA, T. G.
ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN
MONKEYS OF DIFFERENT AGES IN RESPONSE TO
RHYTHMICAL LIGHT FLASHES
A65-81354
- STUDY OF SUBCORTICAL POTENTIALS IN HUMAN PATIENTS
WITH IMPLANTED ELECTRODES
A65-82246
- URMER, A. H.
LIGHTING REQUIREMENTS OF GENERAL CREW STATIONS FOR
MANNED SPACECRAFT
A65-35487
- URONE, P.
TRACE MINERAL LOSSES IN SWEAT
REPT.-284
N65-35035
- URQUHART, D.
SPIRAL AFTEREFFECT - EFFECT OF ROTATION SPEED,
EXPOSURE TIME, AND DISTANCE
A65-80517
- USACHEV, V. V.
EFFICIENCY OF MAN EXPOSED TO RADIAL ACCELERATION
- AND BREATHING OXYGEN AT EXCESS PRESSURE
N65-13638
- HUMAN PHYSIOLOGICAL REACTIONS TO RADIAL
ACCELERATION
N65-13639
- USARDI, M. M.
HEART FUNCTION AND BODY TEMPERATURE IN
IMMUNO-SYMPATHETIC RAT DURING COLD EXPOSURE
A65-81945
- USPENSKAYA, V. E.
PORPHYRIN PIGMENTS FORMED BY GREEN SULFUR BACTERIA
DETERMINED FOR INVESTIGATING STRUCTURE AND TRACTS
OF BACTERIOVIRIDIN BIOSYNTHESIS
A65-27775
- USPENSKAYA, M. S.
METABOLISM CHANGES IN ASTRONAUTS BEFORE AND AFTER
SPACE FLIGHT
N65-13765
- USPENSKII, L. N.
TISSUE DOSE OF COSMIC RADIATION RECEIVED BY
ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT
A65-81387
- USTINOVA, A. I.
CHANGES IN EXCITABILITY AND LABILITY OF VISUAL
ANALYZER UNDER PROLONGED NONSTOP FLIGHTS IN
MULTIPASSENGER TURBOPROP AIRCRAFT
N65-13764
- USTINOVA, A. N.
CLINICAL AND PHYSIOLOGICAL STUDY OF AGE FACTOR
IN FLIGHT PERFORMANCE OF PILOTS
N65-13691
- UYEDA, L. R.
LIGHTING IN DISPLAYS WITH SUPERIMPOSED FIELDS
AT LOW LEVELS OF ILLUMINATION - SUPERIORITY
OF WHITE LIGHT OVER RED LIGHT DISPLAY IN
DETECTION-RECOGNITION AND TRACKING PERFORMANCE
AD-613344
N65-25675
- UYTVANCK, P. V.
OXYGEN CONSUMPTION IN STANDING AND SUPINE
POSITIONS
A65-81273
- V
- VACCA, C.
FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION
OF HUMAN SUBJECT DURING EXERCISE
A65-81845
- VACCA, L.
FORMULAS TO ESTIMATE CARDIO-RESPIRATORY FUNCTION
OF HUMAN SUBJECT DURING EXERCISE
A65-81845
- VACCHINI, V.
CEREBRUM RHEOGRAPHY - DIAGNOSTIC POSSIBILITIES IN
CLINICAL PRACTICE
NASA-TT-F-9497
N65-33261
- VAILYEV, P. V.
CHANGE IN PHYSIOLOGICAL REACTIVITY OF ANIMALS
SUBJECTED TO G FORCES AFTER ADMINISTRATION OF
VARIOUS DRUGS
N65-34776
- VAIN, R.
LETHAL RADIATION DAMAGE ON ESCHERICHIA COLI FOR
DETERMINATION OF LETHAL CONGENITAL ANOMALIES
FROM X-RAY DOSES
N65-23463
- VALDIVIA, E.
EFFECTS OF SIMULATED HIGH ALTITUDE ON GROWTH RATE
OF ALBINO GUINEA PIGS
A65-81917
- VALENSTEIN, E. S.
HYPOTHALAMIC STIMULATION OF RATS SUFFERING FROM
FOOT SHOCKS
A65-36099
- VALENTINUZZI, M.
ROTATIONAL DIFFUSION IN MAGNETIC FIELD AS RELATED
TO BIOLOGICAL GROWTH AND METABOLIC PROCESSES
A65-80413

VALLBONA, C.

BEDREST AND ISOMETRIC EXERCISES EFFECT ON
CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-
HYDROXYCORTICOSTEROIDS A65-26168

PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE
A65-81294

MONITORED PHYSIOLOGICAL PHENOMENA AT BEDSIDE IN
HOSPITAL TRANSMITTED BY TELEMETRY A65-81312

LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST
NASA-CR-171 N65-17876

PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN
NASA-CR-172 N65-18500

COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING
NASA-CR-174 N65-18501

VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502

BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST
NASA-CR-173 N65-20471

CARDIAC AND VENTILATORY RESPONSE TO BICYCLE
ERGOMETER TEST
NASA-CR-177 N65-20472

EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473

BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE
NASA-CR-182 N65-20474

EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159

BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738

INFORMATION PROCESSING TECHNOLOGY FOR CLINICAL
INVESTIGATIONS APPLIED TO EFFECT OF BED REST AND
EXERCISE ON CARDIOVASCULAR RESPONSES
N65-28763

COMPUTER DESIGN FOR ANALYZING EFFECTS OF BED
REST ON CARDIAC DYNAMICS AND DISCUSSION OF
ORTHOSTATIC HYPOTENSION N65-28769

PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820

EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT
NASA-CR-175 N65-33542

VALLENTYNE, J. R.
AMINO ACIDS AND UREA IN METEORITES - GEOCHEMICAL
AND ABIOTIC ASPECTS A65-80471

VALUEVA, M. N.
GALVANIC SKIN RESPONSE EVOKED BY VERBAL COMMAND
A65-80829

VAN AUSDALL, B. A.
POLARIZATION DISPLAY SYSTEM FOR SIDE-LOOKING
RADAR TARGET DETECTION
AMRL-TR-64-82 N65-13995

VAN BALEN, A. T. H.
INFLUENCE OF ATTENTION AND SUPPRESSION ON FLICKER
ELECTRORETINOGRAM AS RELATED TO FLICKERING
RESPONSE OF OCCIPITAL ELECTROENCEPHALOGRAM
A65-80781

VAN CANEGHEM, P.
CYSTEAMINE PROTECTION OF HAIR LOSS AFTER LOCAL
IRRADIATION IN RAT A65-80733

VAN CITTERS, R. L.
TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS
A65-81358

VAN DE GEER, J. P.
SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD
AND SPATIAL DIRECTION OF STIMULUS OBJECT
A65-80735

VAN DE VORST, A.
FREE RADICALS INDUCED BY X-RAY IRRADIATION
IDENTIFIED IN SOLID DNA BY STUDY OF VARIATIONS OF
ELECTRONPARAMAGNETIC RESONANCE SPECTRUM OF
DEGRADED DNA A65-27950

VAN DEN BRENK, H. A. S.
ELECTRODE SIZE AND TISSUE OXYGEN TENSION
MEASUREMENT IN RATS EXPOSED TO AIR OR HIGH
PRESSURE OXYGEN A65-81147

VAN DER TWEEL, L. H.
FLICKER PROBLEMS AS RELATED TO PHYSICS,
ELECTRONICS, CELLULAR PHYSIOLOGY,
ELECTROPHYSIOLOGY, VISUAL SYSTEM, AND PSYCHOLOGY
A65-80767

LINEARIZATION OF EVOKED RESPONSES OF CEREBRAL
CORTEX TO SINE WAVE-MODULATED LIGHT BY NOISE
A65-81346

VAN DER VLUGT, L. S.
CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL
PROCESS IN ANAEROBIC SOIL
FD3-3957/T-166-/ N65-32693

VAN HAAFTEN, A. B.
GAS CHROMATOGRAPHY METHOD FOR MEASUREMENT OF
PHENOL IN URINE AS CHECK ON BENZENE EXPOSURE
A65-80993

VAN HOF, M. W.
INFLUENCE OF ATTENTION ON OCCIPITO-CORTICAL
RESPONSES TO LIGHTFLASHES IN MAN
A65-80777

INFLUENCE OF LIGHT TO DARK RATIO ON DIURNAL CYCLE
OF LOCOMOTOR ACTIVITY IN RABBIT
A65-81107

VAN HOVE, R.
HEAT CAPACITY IN MEN IN DESERT ENVIRONMENT
A65-80910

SODIUM AND POTASSIUM LOSSES THROUGH SWEATING
DURING WORK IN SAHARA BY ACCLIMATIZED EUROPEANS
AND NATIVES A65-80959

VAN KESSEL, A. L.
EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE
A65-82166

VAN LEEUWEN, W. S.
ELECTROENCEPHALOGRAPHIC RESPONSE DURING
STIMULATION WITH FLICKERING LIGHT IN HUMANS
A65-80772

VAN LIERE, E. J.
DIFFERENCES IN CARDIAC HYPERTROPHY OF RAT DURING
EXERCISE AND HYPOXIA A65-80990

PHYSIOLOGICAL RESPONSE TO HYPOXIA
A65-81180

VAN LIEW, H. D.
EFFECT OF COMPRESSION ON COMPOSITION AND
ABSORPTION OF TISSUE GAS POCKETS IN RATS
A65-81907

- VAN LINGEN, B.**
PREDICTION OF MAXIMUM OXYGEN UPTAKE /AEROBIC CAPACITY/ DURING PHYSICAL WORK WITH SPECIAL REFERENCE TO RADIOLOGICAL HEART AREA AND THORACIC AREA
A65-81120
- VAN LOOKEREN CAMPAGNE, P.**
HUMAN RESTING PULMONARY DIFFUSING CAPACITY FOR CARBON MONOXIDE AND OXYGEN AT HIGH ALTITUDE
A65-81148
- VAN PATTEN, R. E.**
LOWER-LEG RESTRAINT AGAINST CENTRIPETAL FORCE - BINDING DEVICE USED IN YAW AND TRANSVERSE ACCELERATION ENVIRONMENT
AMRL-TR-64-144
N65-21399
- VAN RIPER, D. C.**
SURGICAL PROCEDURES FOR IMPLANTING CHRONIC CORTICAL LEADS IN CHIMPANZEE FOR ELECTROENCEPHALOGRAPHIC MEASUREMENTS - AEROSPACE MEDICINE
N65-36771
- VAN SLYKE, D. D.**
OXYGEN, CARBON DIOXIDE, NITROGEN, AND OTHER BLOOD GASES IN PHYSIOLOGY AND MEDICINE - HISTORICAL REVIEW
BNL-898
N65-23230
- VAN STEE, E. W.**
DOG EXPOSURE TO EQUIMOLAR CONCENTRATIONS OF HYDRAZINE DERIVATIVES AND ITS EFFECT ON RENAL FUNCTION
A65-32634
RENAL FUNCTION OF DOG AS AFFECTED BY HYDRAZINE, METHYLHYDRAZINE, AND DIMETHYLHYDRAZINE
A65-81733
CLINICAL MANAGEMENT OF CHIMPANZEE COLONY
SAM-TDR-64-45
N65-34515
- VAN STEWART, E.**
BIOCHEMICAL MICROTECHNIQUES IN BLOOD PLASMA AND SERUM DETERMINATIONS OF UREA NITROGEN, URIC ACID, AND CREATININE
LF-22
N65-25292
- VAN TASSEL, P. V.**
TREATMENT OF OXYGEN TOXICITY IN RATS WITH DIMERCAPROL
A65-81150
EFFECT OF DIMERCAPTOPROPRANOL ON TOXICITY OF OXYGEN ON RATS AT SIX ATMOSPHERES PRESSURE
SAM-TR-65-11
N65-25203
- VAN UMHERSEN, C. A.**
AGE FACTOR AS RELATED TO INDUCTION OF CATARACTS BY MICROWAVE RADIATION IN RABBIT
A65-82037
- VAN VLECK, L. D.**
PREDICTION AND VERIFICATION OF ROCKET PROPELLANT TEST FIRINGS AS RELATED TO AIR POLLUTION
A65-80220
- VAN ZOEREN, M.**
CASE HISTORY OF CARBON TETRACHLORIDE POISONING MANIFESTING AS KIDNEY DISEASE
A65-82034
- VANCE, R. W.**
LUNAR MISSIONS AND EXPLORATION - TECHNICAL AND ENVIRONMENTAL ASPECTS
A65-80529
- VANDER ELST, E.**
ABSORPTION OF RADIOACTIVE CONTAMINANTS BY AQUATIC PLANTS
REPT.-138
N65-21186
- VANDERPLAS, J. M.**
VISUAL CAPABILITIES IN ACQUISITION, HOMING AND DOCKING PHASES OF SPACECRAFT RENDEZVOUS
A65-35491
- VANDERVEEN, J. E.**
NUTRITIONAL EVALUATION OF PRECOOKED DEHYDRATED DIET FOR HUMANS, DISCUSSING GASTROINTESTINAL STRESS
A65-19846
NUTRITION REQUIREMENTS OF MAN UNDER SIMULATED STRESS OF SPACE ENVIRONMENT
N65-18601
- VANGO, S. P.**
MICROORGANISM DETECTION IN SOILS BY ESTIMATING CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN HYDROGEN PEROXIDE DECOMPOSITION
A65-26285
- VANYUSHIN, B. F.**
DNA STUDY FOR EVOLUTION AND SPECIES SPECIFICITY OF PHOTOSYNTHESIZING AUTOTROPHIC BACTERIA
NASA-TT-F-316
N65-32973
- VANYUSHINA, YU. V.**
FUNCTIONAL CHANGES IN CARDIOVASCULAR SYSTEM AFTER EXPOSURE TO HYPODYNAMIA
N65-13653
- VANZULLI, A.**
EFFECT OF HABITUATION, ATTENTION, AND CONDITIONING ON EVOKED SENSORY RESPONSES AND EEG ACTIVITY IN MAN
AFOSR-64-1841
N65-16752
- VARAGIC, V.**
HYPOXIA DURING DECOMPRESSION AND EFFECT ON CATECHOLAMINE CONTENT OF HYPOTHALAMUS IN CATS
A65-81085
- VARENE, P.**
SPEECH MODIFICATIONS AND DIFFICULTIES ENCOUNTERED BY SUBJECTS BREATHING THROUGH RESPIRATORY DEVICES OPERATED AT OVERPRESSURES TO COUNTERACT HIGH ALTITUDE HYPOXIA
A65-36366
FUNCTIONAL EVALUATION OF PRESSURE BREATHING - MEASUREMENT OF PULMONARY DIFFUSION CAPACITY
A65-80110
SPEECH DURING PRESSURE BREATHING AND SUGGESTION FOR RETAINING FLYING PERSONNEL
A65-80112
RESPIRATORY FUNCTION TEST TO EXPLORE BRONCHI DURING TRANSVERSE ACCELERATION
A65-80117
PLETHYSMOGRAPHIC STUDY OF OXYGEN MASKS AND HELMETS OF PRESSURIZED SUITS
A65-80120
PULMONARY DIFFUSION CAPACITY OF SUBJECTS WEARING ANTI-G SUITS RELATED TO PULMONARY CAPILLARY CIRCULATION
A65-80872
VENTILATED CLOTHING AND UMBRELLA TO PROTECT INTERCEPTOR PILOT ON ALERT FROM SOLAR RADIATION
A65-81789
USE OF RESPIRATORY IMPEDANCE IN AEROSPACE MEDICINE
A65-81823
ANATOMICAL DEAD SPACE OF SUBJECTS IN SUPINE POSITION DURING EXPOSURE TO FORWARD ACCELERATION
A65-82153
- VARNER, J.**
MAGNETIC FIELD ASSOCIATED WITH CELLULAR ELECTRICAL PHENOMENA IN CARDIAC TISSUE
A65-10724
RELATIONSHIP BETWEEN ELECTROCARDIOGRAM AND MAGNETOCARDIOGRAM
N65-16604
- VARTBARONOV, R. A.**
EFFECT OF CORIOLIS ACCELERATION ON HUMAN BLOOD VESSEL TONUS
A65-80981
ADAPTATION OF HUMANS TO PROLONGED ACTION OF CORIOLIS ACCELERATION
A65-81937
METHODS OF SELECTING PERSONNEL BY VESTIBULAR TESTS
N65-13779
- VASHKOV, V. I.**
TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545
- VASILEV, P. V.**
PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS OF LABORATORY /CENTRIFUGE/ TESTS
A65-34947
- VASILEVA, A. A.**
TISSUE DOSE OF COSMIC RADIATION RECEIVED BY

- ASTRONAUTS BYKOVSKII AND NIKOLAEVA-TERESHKOVA
DURING THEIR COMBINED ORBITAL FLIGHT A65-81387
- VASILEVA, V. M.
CHANGE IN ELECTROENCEPHALOGRAPH AND SKIN GALVANIC
RESPONSE IN COURSE OF TEMPORARY CONNECTION
FORMATION BETWEEN MOTOR AND VISUAL ANALYSERS IN
MAN DURING PHOTIC AND PROPRIOCEPTIVE STIMULATION A65-80103
- VASILEVSKI, N. N.
CONSTRUCTION OF DEVICE FOR RECORDING BLOOD
PRESSURE, PULSE, RESPIRATION, AND MECHANOGRAMS
ON OSCILLOGRAPHS NASA-TT-F-9581 N65-35782
- VASILYEV, P. V.
CLINICAL OBSERVATION OF REACTION OF CREW OF
SOVIET THREE-MAN SPACE FLIGHT ABOARD VOSKHOD
NOTING VESTIBULAR EFFECTS A65-28331
- MEDICAL EXAMINATION OF VOSKHOD SPACESHIP
COSMONAUTS, USING BIOTELEMETRIC SYSTEMS AND
ONBOARD INSTRUMENTS A65-29941
- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE A65-30672
- PHYSIOLOGICAL REACTIONS OF MAN TO EFFECT OF
OVERLOAD DURING SPACE FLIGHT COMPARED TO RESULTS
OF LABORATORY /CENTRIFUGE/ TESTS A65-34947
- DAILY RHYTHM OF VEGETATIVE FUNCTIONS OF SOVIET
ASTRONAUTS DURING SPACE FLIGHT A65-81198
- FIRST COSMIC EXPEDITION- BIOMEDICAL RESEARCH ON
ASTRONAUT RESPONSE A65-81486
- EFFECT OF CERTAIN DRUGS ON ANIMAL ORGANISM
RESPONSE TO ACCELERATION STRESS DURING SPACE
FLIGHTS A65-81936
- STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF
ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I
SPACECRAFT A65-81962
- ACCELERATION INFLUENCE ON PHYSIOLOGICAL REACTIVITY
OF ANIMALS AND MAN - AEROSPACE MEDICINE
NASA-TT-F-277 N65-10303
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT
CENTRAL NERVOUS SYSTEM IN VOSTOK III AND
VOSTOK IV SPACECRAFTS N65-13627
- USE OF DRUGS TO INCREASE BODILY RESISTANCE TO
FLIGHT ACCELERATIONS IN AIRCRAFT AND SPACECRAFT
N65-13654
- CARDIOVASCULAR AND RESPIRATORY REACTION OF MONKEYS
TO CHEST-BACK ACCELERATIONS N65-13718
- STRYCHNINE INFLUENCE ON RESISTANCE OF ANIMALS TO
EFFECTS OF ACCELERATION N65-17746
- GRAVITATION EFFECT ON HIGHER ORDER NERVOUS SYSTEM
ACTIVITY OF DOGS DURING SPACE FLIGHT SIMULATION
N65-23444
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS
DURING SPACE FLIGHT N65-26919
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT ON SPACECRAFT VOSKHOD
JPRS-31913 N65-32344
- ORGANISM RESPONSE TO ENVIRONMENTAL STIMULI AND
USE OF PHARMACOLOGICAL SUBSTANCES TO INCREASE
RESISTANCE TO STRESSES
JPRS-31909 N65-32356
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY
SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF
ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT
N65-34777
- PHYSIOLOGICAL RESPONSE OF MAN TO ACCELERATIONS
UNDER SPACE FLIGHT CONDITIONS
NASA-TT-F-9597 N65-36756
- VASILYEVA, V. M.
HUMAN ELECTROENCEPHALOGRAPH AND ELECTRODERMAL
RESPONSE CHANGES WITH TEMPORARY CONNECTION
BETWEEN MOTOR AND VISUAL ANALYZERS IN
RINESTHETIC AND PHOTIC STIMULATION PAIRING
FTD-TT-65-434/182 N65-30015
- VASOLD, P. C.
OBJECT IDENTIFICATION ON BASIS OF EDGE AND SURFACE
CHARACTERISTICS A65-81008
- VASSALLO, L.
TEMPORARY AND PERMANENT HEARING LOSS DURING
PROLONGED EXPOSURE TO NOISE A65-80660
- VATSEK, A.
MECHANISM OF RAISED RESISTANCE TO HYPOXIA IN ACUTE
RADIATION INJURY IN RAT A65-80100
- VATTER, O.
ELECTRICAL RESPONSES OF RETINA AND OPTIC CORTEX OF
MAN TO COLOR FLICKER STIMULI A65-80775
- VAUGHAN, D. A.
EFFECT OF DIET ON HEXOSEMONOPHOSPHATE
DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS
AAL-TDR-64-13 N65-18974
- PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON
RATS EXPOSED TO WARM AND COLD CONDITIONS
AAL-TDR-64-15 N65-24593
- EFFECT OF DIET ON RAT EXCRETION OF TRITIUM
RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF
TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE
AAL-TR-64-29 N65-25344
- VAUGHAN, H. G., JR.
STIMULUS INTENSITY AND PHOTICALLY EVOKED CEREBRAL
RESPONSE AS POSSIBLE OBJECTIVE INDEX OF BRIGHTNESS
PERCEPTION FOR MAN A65-24831
- ELECTROMYOGRAPHIC AND MICROSWITCH MEASURES OF
AUDITORY REACTION TIME COMPARED A65-81561
- VAUGHAN, J. A.
HUMAN ECCRINE SWEAT GLAND ACTIVITY AND PALMAR
ELECTRICAL SKIN RESISTANCE A65-81911
- VAUGHAN, L. N.
PROTEIN DEPLETION AND REPLETION TECHNIQUES USED ON
RATS EXPOSED TO WARM AND COLD CONDITIONS
AAL-TDR-64-15 N65-24593
- VAUGHAN, W.
RESPIRATORY OXYGEN DEBT AND RELATION TO EXCESS
LACTATE IN MAN WITH PHYSICAL EXERCISE A65-81904
- VAUGHAN, W. S., JR.
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94 N65-10648
- VAULINA, E. N.
EFFECT OF ULTRAVIOLET RADIATION GROWTH AND
MUTATION RATE IN VARIOUS SPECIES OF CHLORELLA
A65-80658
- COMPARATIVE STUDY OF VARIOUS CHLORELLA STRAINS BY
USE OF EXPONENTIAL FORMULA A65-80803
- VAUZELLE, A.
ELECTROENCEPHALOGRAPHIC DATA FROM EXPERIMENTS WITH
CATS IN THE VERONIQUE ROCKET IN OCTOBER 1963
A65-80875
- VAYSFELD, I. L.
RADIAL ACCELERATION EFFECT ON HISTAMINE LEVELS IN
RATS
FTD-TT-64-202/182 N65-12171
- VAZQUEZ, V. L.-C.
EVALUATION OF MEDICAL DATA OF PHYSICAL EXAMINATION

- IN PILOT SELECTION A65-81810
- VEDENOV, M. F.
SPECIFIC CHARACTER OF BIOLOGICAL STRUCTURES
INCLUDING SYSTEM CHANGES, INTERRELATIONSHIPS,
BEHAVIOR, AND DEVELOPMENT
JPRS-30737 N65-27025
- VEDOYA, M. D.
BETA RADIATION PENETRATION DETERMINATION OF
STRONTIUM 90-YTTRIUM 90 IN VARYING CUTANEOUS
THICKNESSES
REPT.-155 N65-31074
- VEGHELYI, P. V.
PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT A65-81736
- VEGTE, J. H.
EVALUATION OF PRESSURE SUIT COOLING SYSTEMS IN
HOT ENVIRONMENTS A65-82124
- RESPIRATORY AND MICROCLIMATE TEMPERATURES IN HEAD
PROTECTOR IN EXTREME COLD
AMRL-TDR-64-79 N65-11896
- VEIDNER-DUBROVIN, L. A.
DISTURBANCE IN DAILY ROUTINE AND EFFECT ON
PROFESSIONAL WORKING CAPACITY OF MAN A65-80047
- EFFECT OF ABRUPT DISTURBANCE OF DAILY RHYTHM OF
WORK-REST CYCLE ON WORK CAPACITY A65-81340
- VELAMAZAN, V.
ACID-BASE EQUILIBRIUM IN HYPOTHERMIA IN DOGS
A65-81803
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81839
- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA A65-81843
- VELERSHTEYN, R. A.
MATHEMATICAL MODEL FOR STUDY OF RELATION BETWEEN
NEURAL PROCESSES OF EXCITATION AND INHIBITION
N65-14579
- VELIMIROVIC, T.
BRAIN METABOLISM AND RESISTANCE OF HIBERNATOR
/CITELLUS CITELLUS/ AND RAT TO DIFFERENT ANOXIC
CONDITIONS, INCLUDING CARDIAC ARREST IN DEEP
HYPOTHERMIA A65-81456
- VEN-CHZHAD, IU.
SIGNAL APPEARANCE PROBABILITY AND EFFECT ON
PROCESS OF ITS DETECTION DURING VISUAL TASK
A65-80104
- DEPENDENCE OF PERCEPTION OF PHOTIC SIGNALS ON
INTERVALS BETWEEN THEM AND AFTER EFFECT ON
ELECTROMYOGRAM AND ELECTROENCEPHALOGRAM A65-81455
- VENABLES, P. H.
SOMAESTHETIC AND ACOUSTIC STIMULI EFFECT ON
THRESHOLD OF FUSION OF PAIRED LIGHT FLASHES IN
HUMAN SUBJECTS A65-80335
- VENDRIK, A. J. H.
PSYCHOPHYSIOLOGICAL METHOD FOR DETECTING SCARCELY
DISCERNIBLE VISUAL AND AUDITORY NOISELESS SIGNALS
HAMPERED BY INTERNAL NOISE OF SENSORY SYSTEM
A65-28427
- VENKATARAMAN, K.
PHYSIOLOGICAL NORMS IN INDIAN ADULTS - DATA ON
TOTAL BODY WEIGHT AND WEIGHTS OF BODY ORGANS
AET/HP/TH-21 N65-31022
- VENSLAUSKAS, M. I.
STATISTICAL MODEL OF ELECTROENCEPHALOGRAM
JPRS-27324 N65-10036
- VERCELLOTTI, E.
STATISTICAL ANALYSIS OF SICKNESS AND ACCIDENT
RATE IN WORKERS EXPOSED TO RISK OF CHRONIC CARBON
MONOXIDE POISONING A65-80285
- VERDUIN, J.
LIMITING FACTORS IN PHOTOSYNTHETIC YIELD IN ALGAE
GROWN UNDER NATURAL ECOLOGICAL CONDITIONS A65-80377
- VERGILES, N. IU.
METHODS FOR MEASURING AND REGISTERING EYE TREMOR
A65-80046
- VERKHRATSKIY, N. S.
AGE FACTOR IN REACTION OF HEART TO HYPOXIA
N65-17764
- VERNIER, A. M.
OCULAR PARALYSES AND FITNESS OF FLYING PERSONNEL
A65-80108
- VERNIKOS-DANELIS, J.
BODY WEIGHTS, ORGAN WEIGHTS, AND BLOOD AND
PITUITARY ACTH CONCENTRATIONS IN RAT AS AFFECTED
BY HYPOXIA A65-81026
- VERNOV, S. N.
MEASUREMENTS OF INTENSITY OF ABSORBED RADIATION
FROM NATURAL AND ARTIFICIAL GEORADIATION BELTS
REGISTERED BY SOVIET SPACECRAFT INSTRUMENTS DURING
FLIGHTS IN 1960 TO 1963 A65-80856
- VERRIEST, G.
ETHYL ALCOHOL EFFECT ON GLARE THRESHOLDS DURING
DARK ADAPTATION IN DRINKERS AND NONDRINKERS
A65-82089
- VERRILLO, R. T.
VIBROTACTILE THRESHOLD OF HUMAN SKIN A65-81961
- VIBROTACTILE THRESHOLDS AS FUNCTION OF NUMBER OF
PULSES IN HUMAN SKIN A65-82284
- VERZILIN, N. N.
PILOT PLANT AND TECHNIQUE FOR OBTAINING LARGE
CROPS OF UNICELLULAR ALGAE A65-80600
- VESVAL, P.
VENTRICULAR REPOLARIZATION DISORDERS OF UNKNOWN
ORIGIN IN FLYING PERSONNEL - DIAGNOSTIC PROBLEMS
A65-80124
- VIDER, E.
DIURNAL AND SEASONAL METABOLIC CHANGES IN
ACID-BASE BALANCE OF BLOOD FROM HUMAN SUBJECTS
LIVING IN HOT CLIMATE A65-80960
- VIERECK, E.
ARCTIC MEDICINE AND BIOLOGY - FROSTBITE
N65-24301
- VIGRAN, E.
LOUDNESS CHANGE OF PURE TONES WITH CONTRALATERAL
NOISE STIMULATION A65-81428
- VILLARES, C.
BLOOD PHOSPHORUS, POTASSIUM, AND SODIUM DURING
HYPOTHERMIA IN DOGS A65-81795
- HYPOXIA AND HYPOTHERMIA EFFECTS ON ELECTROLYTE
CONCENTRATION IN GASTRIC JUICE AND BLOOD SERUM IN
DOG A65-81797
- STUDY OF BLOOD IONOGRAM DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81799
- PHOSPHORUS AND PHOSPHATASES IN HYPOXIC HYPOTHERMIA
IN DOGS A65-81800
- DETERMINATION OF TRANSAMINASES IN EXPERIMENTAL
HYPOXIA IN DOGS A65-81838
- PH CONDITIONS IN BLOOD DURING HYPOXIA AND
HYPOTHERMIA IN DOG A65-81839
- EVALUATION OF HEPATIC FUNCTION TESTS IN
EXPERIMENTAL HYPOXIA IN DOGS A65-81842

- LACTIC ACID LEVELS IN BLOOD OF DOGS DURING
HYPOXIA, HYPEROXIA AND HYPOTHERMIA
A65-81843
- VILLELA, G. G.
TOXICOLOGY OF CARBON TETRACHLORIDE POISONING
A65-80107
- VINBERG, G. G.
CULTIVATION AND GROWTH OF GREEN PLANKTONIC ALGAE
ON SEWAGE
A65-81386
- ALGAE GROWTH IN CITY SEWAGE WATER - EXPERIMENTS
N65-31423
- VINCENDON, G.
SOME EXTERNAL /CLIMATIC/ AND INTERNAL /ENDOCRINE/
FACTORS IN RELATION TO PRODUCTION OF HIBERNATION
IN RODENTS
A65-81465
- VINCENT, W. A.
INITIAL HEMODYNAMIC RESPONSES TO MILD EXERCISE IN
TRAINED DOGS
A65-81144
- VINITSKAYA, R. S.
BASAL METABOLISM AND EXTERNAL RESPIRATION IN
CHRONIC ARTERIAL HYPOXEMIA RESULTING FROM
CONGENITAL HEART DEFECTS
N65-17794
- VINNIKOV, I. A.
ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN
MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL
CORTEX AND CEREBELLUM
A65-80812
- ORGAN OF CORTI- HISTOPHYSIOLOGY AND
HISTOCHEMISTRY
A65-81422
- VINNIKOV, YA. A.
STRUCTURE AND FUNCTION OF VESTIBULAR APPARATUS
UNDER CONDITIONS OF ALTERED GRAVITATIONAL FIELD
NASA-TT-F-278
N65-11021
- STRUCTURE AND CYTOCHEMICAL ORGANIZATION OF UTRICLE
DURING ACCELERATION, REST, AND WEIGHTLESSNESS
N65-13655
- VINOGRAD, S. P.
GEMINI MEDICAL EXPERIMENTS FOR DETERMINING
WEIGHTLESSNESS EFFECTS ON PROLONGED MANNED
SPACEFLIGHT
A65-10639
- FOOD, WATER, AND WASTE IN MANNED SPACE FLIGHT
N65-18569
- VINOGRADOV, E. V.
APPARATUS FOR STUDYING TEMPERATURE, PRESSURE, AND
GASEOUS COMPOSITION OF SUBCUTANEOUS BULLAE FORMED
IN HIGH-ALTITUDE TISSUE EMPHYSEMA OF SMALL ANIMALS
A65-80266
- VINOGRADOVA, R. P.
EFFECT OF LETHAL DOSAGES OF X-RAYS ON ATP
CONTENT IN LIVER AND PHOSPHOPROTEIN EXCHANGE
IN GUINEA PIGS
FTD-TT-64-1163/1
N65-29119
- VINOKUROVA, I. YU.
BODY AND BLOOD TEMPERATURE CHANGES IN PATIENTS
UNDER CONDITIONS OF ARTIFICIAL BLOOD CIRCULATION
WITH MODERATE HYPOTHERMIA
N65-24891
- VIOLETTE, F.
MECHANICAL VIBRATION EFFECT ON MITOSIS OF
NEOPLASTIC ASCITIC CELLS INJECTED INTO MICE
A65-25550
- VISHNEVSKIY, A. A.
PROCEDURES FOR CYBERNETICS WITH APPLICATIONS TO
MEDICAL SCIENCE
JPRS-31712
N65-31857
- VISHNIAC, W.
LIMONITE ENVIRONMENT MAY PROVIDE ECOLOGICAL BASIS
FOR RESPIRATORY AND PHOTOSYNTHETIC MARTIAN
ORGANISMS
A65-30684
- VISIOLI, O.
MYOCARDIAL LIPIDS OF RAT FOLLOWING INTENSE
MUSCULAR WORK
A65-80513
- VISSER, B. F.
INCREASE OF WHOLE BLOOD LACTIC ACID CONCENTRATION
IN HUMANS DURING EXERCISE AS PREDICTED FROM PH
AND CARBON DIOXIDE TENSION
A65-80198
- VITALE, P.
RELATIONSHIP BETWEEN VERTICAL ORIENTATION IN ROD
AND FRAME TEST AND IN COMPENSATION TRACKING TASK
A65-81650
- VITALE, P. A.
EFFECT OF KINETIC CUEING IN TRAINING PILOTS TO
MAKE CARRIER APPROACHES
NAVTRADEVCE-1432-1
N65-31080
- TRAINING OF PILOTS IN MATCHED PAIRS USING FLIGHT
SIMULATOR IN CARRIER LANDING MANEUVER UNDER
KINETIC AND STATIC CONDITIONS
NAVTRADEVCE-1432-1-S1
N65-35542
- RELATIONSHIP BETWEEN PERCEPTION ORIENTATION
AND COMPENSATORY TASK PERFORMANCE
RM-260J
N65-36206
- VITTE, M. K.
THEORY OF HEAT EXCHANGE IN MAN, AND ENVIRONMENTAL
FACTORS WHICH AFFECT THERMOREGULATION - STUDIES
USING LAWS OF CYBERNETICS
N65-24876
- VLADIMIROV, S. V.
SOLAR ACTIVITY EFFECT ON PHYSIOLOGICAL AND
BIOLOGICAL PHENOMENA
JPRS-27563
N65-12870
- VLADIMIROV, V. G.
PROTECTIVE ACTION OF CYSTEAMINE AND CYSTAMINE ON
OXIDATIVE PHOSPHORYLATION, DNA, RNA AND ATP
CONCENTRATION IN RADIATION-SENSITIVE TISSUES OF
RATS EXPOSED TO X-RAY AND GAMMA RADIATION
A65-81767
- VLADIMIROVA, M. G.
VARIATIONS IN NITROGEN AND PHOSPHORUS CONTENT IN
MEDIUM UNDER VARIOUS CONDITIONS OF INTENSIVE
CULTIVATION OF DIFFERENT CHLORELLA SPECIES
A65-80596
- CHANGES IN MINERAL CONCENTRATION IN NUTRIENT
MEDIUM DURING GROWTH OF CHLORELLA
A65-80940
- VLASOV, IU. A.
MODEL APERIODIC BALLISTOCARDIOGRAPH AND
DESCRIPTION OF APERIODIC BALLISTOCARDIOGRAM OF
HEALTHY INDIVIDUAL
A65-81290
- VOAS, R. B.
ZERO-G SIMULATION BY PARABOLIC AIRCRAFT FLIGHT FOR
ASTRONAUT TRAINING
A65-14837
- VOENA, G.
COCHLEAR POTENTIAL OF ADULT GUINEA PIG DURING
SOUND STIMULATION AND HYPOTHERMIA
A65-82306
- VOGEL, G.
MENTAL ACTIVITY IN HYPNAGOGIC PERIOD AT SLEEP
ONSET RELATED TO ELECTROENCEPHALOGRAPHY PATTERN
A65-82003
- VOGT, F. B.
HUMAN BODY EXTREMITY CUFF-TOURNIQUET EFFECTS ON
TILT TABLE TOLERANCE TAKEN AFTER 6 HOURS OF WATER
IMMERSION
A65-24078
- WATER IMMERSION EXPERIMENT WITH MALES CHECKING
CARDIOVASCULAR DECONDITIONING, PLASMA VOLUME,
HEMOGLOBIN, OSMOLARITY, FLUID INTAKE, BODY WEIGHT,
ETC
A65-24079
- BEDREST AND ISOMETRIC EXERCISES EFFECT ON
CIRCADIAN RHYTHM OF PLASMA LEVELS OF 17-
HYDROXYCORTICOSTEROIDS
A65-26168
- EFFECT OF EXTREMITY CUFF TOURNIQUETS ON TILT TABLE
TOLERANCE AFTER WATER IMMERSION
A65-81065
- WATER IMMERSION EFFECT ON HUMANS - PLASMA VOLUME

PERSONAL AUTHOR INDEX

VON GIERKE, H. E.

- AND ELECTROLYTE CHANGES A65-81066
- PLASMA LEVELS OF 17-HYDROXYCORTICOSTEROID AS
AFFECTED BY BED REST AND ISOMETRIC EXERCISE A65-81294
- LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF
BED REST NASA-CR-171 N65-17876
- PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING EXPERIMENTAL DESIGN NASA-CR-172 N65-18500
- COMPUTER PROGRAM FOR PROCESSING DATA COLLECTED
ON PHYSIOLOGICAL EFFECTS OF BED REST - HUMAN
ENGINEERING NASA-CR-174 N65-18501
- VARIABILITY OF VITAL SIGNS AND CIRCULATORY
DYNAMICS DURING BED REST - HUMAN ENGINEERING
NASA-CR-179 N65-18502
- CARDIAC AND VENTILATORY RESPONSE TO BICYCLE
ERGOMETER TEST NASA-CR-177 N65-20472
- EFFECT OF BED REST ON BLOOD VOLUME, URINARY
VOLUME, AND URINARY ELECTROLYTE EXCRETION
NASA-CR-181 N65-20473
- BED REST EFFECT ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTIONS - BONE MASS AND CALCIUM
BALANCE NASA-CR-182 N65-20474
- EFFECT OF SHORT AND LONG TERM BED REST ON
CARDIOVASCULAR TOLERANCE TO PASSIVE TILT
NASA-CR-178 N65-21159
- BED REST EFFECT ON PLASMA LEVELS AND URINARY
EXCRETION OF HYDROXYCORTICOSTEROIDS
NASA-CR-184 N65-21738
- PREVENTING CARDIOVASCULAR DECONDITIONING OF
BEDREST BY PERIODIC FLACK MANEUVERS -
PHYSIOLOGICAL PERFORMANCE AND EFFICIENCY
NASA-CR-176 N65-29820
- EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT NASA-CR-175 N65-33542
- BONE DEMINERALIZATION STUDIES OF GEMINI IV
CREW USING RADIOGRAPHIC BONE DENSITOMETRY N65-36106
- VOGT, F. W.
BIOINSTRUMENTATION SYSTEM FOR CARDIOVASCULAR
MEASUREMENTS IN TILT-TABLE TESTS, AND BEDSIDE
MONITORING DURING BEDREST NASA-CR-173 N65-20471
- VOJTANOVA, L.
DISTURBANCES IN FALSE IMAGES IN NEUROSES AND
PSEUDONEUROSES FTD-TT-64-52/182 N65-18647
- VOKHMYANIN, P. F.
HEMODYNAMIC RESPONSES AND RESPIRATION DURING
ACCELERATIONS N65-13659
- VOKHMYANIN, P. K.
OXYGEN CONSUMPTION AND CARBON DIOXIDE ELIMINATION
IN RESPIRATION UNDER EXCESS PRESSURE N65-17808
- VOLAVKA, J.
ELECTROENCEPHALOGRAPH CHANGES IN CHEMICAL
FACTORY WORKERS FOLLOWING CARBON DISULFIDE
POISONING AS RELATED TO TIME SINCE
LAST EXPOSURE AND AGE A65-80229
- VOLKMAN, J.
RANGE OF VISUAL ACUITY
ESD-TDR-64-535 N65-14557
- VOLKOV, M. N.
SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
N65-13683
- VOLKOV, N. G.
SPECTRAL SENSITIVITY CURVES OF LIGHT RECEIVERS
DETERMINED, USING ADDITION CURVES FOR NORMAL
TRICHROMATES A65-30076
- VOLKOV, YU. N.
CLINICOPHYSIOLOGICAL EVALUATION OF CONTRACTIONAL
HEART FUNCTIONS IN FLIGHTS OF VOSTOK V AND
VOSTOK VI SPACECRAFTS BY SEISMOCARDIOGRAPHIC
DATA N65-23424
- VOLKOVA, A. P.
TOXICITY OF DISPERSING AGENTS USED IN AEROSOLS
A65-80545
- VOLLMER, H. M.
APPLICATION OF BEHAVIORAL SCIENCES TO RESEARCH
MANAGEMENT IMU-3580 N65-18294
- VOLLPRECHT, P.
BIOSYNTHESIS OF NICOTINIC ACID IN STREPTOMYCETES,
ALGAE, AND YEAST A65-80878
- VOLOKHOVA, N. A.
BODY REACTIONS TO PROLONGED CORIOLIS ACCELERATION
A65-80397
- ADAPTATION OF HUMANS TO PROLONGED ACTION OF
CORIOLIS ACCELERATION A65-81937
- VOLOSHIN, V. G.
OXYGEN SUPPLY OF HEART DURING RESPIRATION AT
EXCESS PRESSURE N65-13656
- VOLOSHINOVA, YE. V.
PHYSIOLOGICAL ANALYSIS OF HUMAN SOLUTION OF FLIGHT
CONTROL PROBLEM N65-25051
- VOLYNKIN, IU. M.
MEDICAL EXAMINATION OF VOSKHOD SPACESHIP
COSMONAUTS, USING BIOTELEMETRIC SYSTEMS AND
ONBOARD INSTRUMENTS A65-29941
- U. S. AND U.S.S.R. DATA ON PHYSIOLOGICAL EFFECTS
OF SPACE FLIGHT ON ASTRONAUT PERFORMANCE A65-30672
- VOLYNKIN, YU. M.
BIOLOGICAL EVALUATION OF COSMIC RADIATION FOUND
ON EARTH-MOON FLIGHT PATH
NASA-TT-F-279 N65-11908
- RADIATION SAFETY MEASURES DURING MANNED FLIGHTS ON
VOSTOK SPACECRAFT N65-13657
- PHYSICAL AND PSYCHOLOGICAL EFFECTS OF MAN IN SPACE
AND SPACE RADIATION HAZARDS JPRS-29656 N65-21804
- VON DIRINGSHOFEN, H.
WATER IMMERSION EFFECT ON HUMAN BODY IN
WEIGHTLESSNESS SIMULATION, NOTING THORACIC
PRESSURE GRADIENT A65-30349
- VON DUSTERLHO, R.
HISTAMINE DIHYDROCHLORIDE AND HISTAMINE
DIPHOSPHATE PROTECTIVE EFFECTS ON RAT AGAINST
WHOLE BODY IONIZING IRRADIATION A65-81889
- VON EULER, C.
THERMOSTAT OF ORGANISM AND ITS SETTING IN RABBIT
A65-80912
- VON GIERKE, H. E.
BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT A65-10544
- HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS
MECHANICAL FORCE ENVIRONMENTS A65-15537
- HUMAN BODY DYNAMIC MECHANICAL REACTION TO VARIOUS

- MECHANICAL FORCE ENVIRONMENTS A65-17996
- LOW FREQUENCY AND INFRASONIC NOISE EFFECTS ON MAN A65-81946
- NOISE AND VIBRATION EXPOSURE CRITERIA A65-82093
- SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES A65-82368
- VON WOLZOGEN KUHR, C. A. H.
CORROSION OF CAST IRON PIPES AS ELECTROBIOCHEMICAL PROCESS IN ANAEROBIC SOIL FD3-3957/T-166-/ N65-32693
- VOOTS, R. J.
EFFECT OF DIFFERENT CALORIC STIMULI ON CATS - PROBLEMS OF ELECTRONYSTAGMOGRAPHIC TECHNIQUE A65-82119
- VORESS, H. E.
RADIOACTIVE FALLOUT - LITERATURE ON MATERIALS PRODUCED BY NUCLEAR EXPLOSIONS TID-3086, SUPPL. 2 N65-21442
- VORIS, F. B.
WATER, PROTEIN, FAT, AND CARBOHYDRATE METABOLISM - SPACE EXPLORATION N65-18568
- VORIS, F. E.
MEDICAL ASPECTS OF MANNED SPACE FLIGHT EP-17 N65-19947
- VOROBYEVA, R. S.
TOXICOLOGICAL EFFECTS OF THREE SYNTHETIC RUBBERS - ANIMAL STUDY JPRS-30850 N65-27033
- VORONIN, G. I.
PHYSIOLOGICAL AND HYGIENIC REQUIREMENT OF LIFE SUPPORT SYSTEMS OF VOSTOK AND VOSKHOD SPACE SHIPS A65-29942
- LIFE SUPPORT SYSTEM FOR VOSTOK AND VOSKHOD MANNED SPACECRAFT NASA-TT-F-9424 N65-27710
- VORONIN, L. L.
SUPPRESSION OF CEREBRAL CORTEX VISUAL NEURONS BY AUDITORY STIMULUS A65-80986
- INHIBITION OF INDUCED ACTIVITY /LIGHT STIMULUS/ OF NEURONS OF OPTIC ZONE DURING ACTION OF SOUND STIMULUS A65-81626
- INHIBITION OF CONDITIONED REFLEX ACTIVITY OF CEREBRAL CORTEX NEURONS INDUCED BY LIGHT AND SOUND STIMULI JPRS-31467 N65-31531
- VORONOV, I. B.
EFFECT OF OXYGEN INTOXICATION ON VARIOUS AREAS OF BRAIN IN CATS A65-81875
- VOS, J. J.
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS A65-81093
- VOSE, G. P.
BONE DEMINERALIZATION STUDIES OF GEMINI IV CREW USING RADIOGRAPHIC BONE DENSITOMETRY N65-36106
- VOSKRESENSKIY, A. D.
STATE OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF ASTRONAUTS DURING SPACE FLIGHT OF VOSKHOD I SPACECRAFT A65-81962
- CARDIAC ACTIVITY CHANGES DURING PROLONGED LATERAL ACCELERATIONS N65-13658
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT ON SPACECRAFT VOSKHOD JPRS-31913 N65-32344
- REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS UNDER CONDITIONS OF ORBITAL FLIGHT IN VOSKHOD I SPACECRAFT N65-34777
- VOSKRESENSKIY, K. A.
MASS CULTIVATION OF BACTERIA - ASTEROMONAS GRACILIS ARTARI JPRS-30995 N65-28134
- VOYTKEVICH, V. I.
OXYGEN-FIXING PROPERTIES OF BLOOD HEMOGLOBIN DURING ACCLIMATIZATION TO HYPOXIA N65-17815
- VOZNESENSKII, V. L.
INVESTIGATION OF GAS EXCHANGE IN PLANTS IN CLOSED SYSTEM WITH HELP OF CARBON 14 IN CARBON DIOXIDE A65-81924
- VRABIESCO, A.
SKIN AND MUSCLE LESIONS IN RATS DUE TO PROLONGED ACCELERATION STRESSES A65-10862
- VRIJENS, J.
OXYGEN CONSUMPTION IN STANDING AND SUPINE POSITIONS A65-81273
- VYKUKAL, H. C.
HUMAN RESTRAINT SYSTEMS DEVELOPMENT FOR ACCELERATION RESEARCH NASA-TM-X-54780 N65-29431
- PILOT RESTRAINT SYSTEMS DEVELOPMENT AND TESTED UNDER SIMULATED HIGH ACCELERATION CONDITIONS N65-29769
- VYSKOCIL, J.
DISTURBANCES IN FALSE IMAGES IN NEUROSES AND PSEUDONEUROSES FTD-TT-64-52/1&2 N65-18647
- VYSOTSKIY, V. G.
RADIATION HAZARDS AND PROTECTION DURING PROLONGED SPACE FLIGHTS A65-29943
- WEIGHTLESSNESS AND COSMIC RADIATION EFFECTS ON REPRODUCTION IN DROSOPHILA MELANOGASTER AND HEREDITARY STRUCTURE OF TRADESCANTIA PALUDOSA A65-30691
- SPACE FLIGHT EFFECT ON PHYSIOLOGICAL PROCESSES OF GERMINATION IN CARROT, MUSTARD, TOMATO, ONION AND CUCUMBER SEEDS AND WHEAT GRAINS A65-35816
- EFFECT OF SPACE FLIGHT FACTOR ON PHYSIOLOGICAL PROCESSES IN GERMINATION OF SEED IN SOME HIGHER PLANTS ABOARD VOSTOK SPACECRAFT A65-81595
- STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4 A65-81620
- PHYSIOLOGICAL EFFECTS OF PROTON RADIATION IN SPACE FLIGHT N65-13632
- MITOSIS IN MICROSPORES AFTER FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS N65-13671
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- SPACE FLIGHT GENETIC EFFECTS ON MICROSPORES OF TRADESCANTIA PALUDOSA DURING FLIGHT ON VOSTOK III AND VOSTOK IV SPACECRAFTS N65-24489

RADIATION SAFETY SYSTEM FOR PROLONGED SPACEFLIGHTS
NASA-TT-F-9429 N65-27715

BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON
PHYSIOLOGICAL PROCESSES IN GERMINATION AND
SPROUTING OF SEEDS OF HIGHER PLANT LIFE N65-34941

TOLERABLE DOSAGES OF IONIZING RADIATION FOR CREW
MEMBERS OF SPACECRAFTS
NASA-TT-F-9589 N65-35524

W

WACHTEL, L. W.
ABSCOPAL EFFECTS OF X-RAY IRRADIATION ON
COMPENSATORY HYPERTROPHY OF RAT KIDNEY
USNRDL-TR-783 N65-11665

WACHTER, M.
STUDIES IN PROGRESS ON VARIOUS ASPECTS OF CRITERIA
OF FLYING PROFICIENCY FOR PILOT TRAINING AND
SELECTION A65-81329

WAGMAN, J.
PURIFICATION OF ENTEROTOXIN B BY CARBOXYLIC ACID
RESINS CHROMATOGRAPHY N65-22299

WAGNER, E. B.
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO
SPACE RADIATION - HIGH ENERGY PROTONS N65-34607

WAGNER, H. N.
PULMONARY BLOOD FLOW OF SUBJECTS IN SUPINE AND
SEATED POSITIONS EXPOSED TO VARIOUS INTENSITIES OF
POSITIVE ACCELERATION A65-82145

WAGNER, M.
INDUCED RETINAL AFTER-IMAGES EMPLOYED AS MEANS OF
INCREASING DISPLAY EXPOSURE TIME IN SINGLE GLIMPSE
SITUATIONS A65-10536

WAHLSTROM, G.
CIRCADIAN RHYTHM OF SELF-SELECTED REST AND
ACTIVITY IN CANARY AND EFFECT OF MONDAMINE OXIDASE
INHIBITORS AND ENFORCED DARK PERIODS A65-82044

WAINERDI, R. E.
NONDESTRUCTIVE MEDICAL AND BIOLOGIC NUCLEAR
ACTIVATION ANALYSIS BY COMPUTER-COUPLED AUTOMATIC
SYSTEM, NOTING FEASIBILITY OF OPERATION A65-16425

WALAWSKI, J.
VASCULAR REACTIVITY OF DOGS TO NEUROHORMONES IN
PROLONGED WEIGHTLESSNESS SIMULATION BY IMMERSION
METHOD, EXAMINING EFFECT ON BLOOD PRESSURE A65-26747

WALD, N.
STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241

WALDRON, E. T.
PROPERTIES OF TEXTILES USED FOR THERMAL RADIATION
PROTECTION TS-132 N65-31974

WALIGORA, J.
DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER A65-80899

WALK, D. E.
MOTION BEHAVIOR OF UNSUITED AND PRESSURE-SUITED
SUBJECTS WHILE LUNGING, EGRESSING AND LANDING
DURING WEIGHTLESS AND LUNAR GRAVITY CONDITIONS A65-24072

WALKER, J.
HEART AND LIVER TISSUE LACTIC DEHYDROGENASE
VARIATION OF RAT DURING ADAPTATION TO COLD A65-82192

WALKER, M. W.
MORPHOLOGICAL CHANGES IN AVIAN EGGS SUBJECTED TO

ACCELERATIVE FORCE A65-82155

WALKER, N. K.
USE OF TRACKING TASKS AS INDICATORS OF STRESS -
ZERO INPUT TRACKING ANALYSIS AD-450861 N65-14679

WALL, P. D.
STEADY ARRIVAL OF CUTANEOUS IMPULSES AT SPINAL
CORD RESULTS IN STEADY DEPOLARIZATION OF PASSIVE
AFFERENT TERMINALS A65-16316

RESPONSES OF CELLS IN DORSOLATERAL TRACT OF CAT TO
PERIPHERAL CUTANEOUS UNMYELINATED FIBERS A65-22352

WALLACE, A.
CHELATED IRON AND ZINC EFFECTS ON ROUGH LEMON AND
TRIFOLIATE ORANGE SEEDLINGS GROWN IN CALCAREOUS
AND NONCALCAREOUS SOIL TID-20741 N65-34316

WALLACE, R.
PRIMARY AND SECONDARY PROTON DOSE RATES IN TISSUE
SPHERES AND SLABS N65-34611

WALLACH, H.
RAPID ADAPTATION IN CONSTANCY OF VISUAL DIRECTION
WITH ACTIVE AND PASSIVE ROTATION A65-81934

WALLER, T. G.
EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION
AND FEASIBILITY OF USING DIRECT PERCEPTUAL
ESTIMATION TO DETERMINE ANGLES OF DRIFT TR-65-8 N65-34684

WALLIN, S. E.
HIGH ALTITUDE LOW OPENING /HALO/ PARACHUTE
TECHNIQUES TAC-TR-63-18 N65-16669

WALLMAN, H.
WATER RECLAMATION FROM CABIN-AIR DEHUMIDIFICATION
CONDENSATE AND WASH WATER BY MULTIFILTER SYSTEMS A65-16560

WALRAVEN, P. L.
PHASE SHIFT EFFECT ON PERCEPTION OF ALTERNATING
COLORED STIMULI A65-80769

WALSH, J. T.
EVOKED POTENTIAL IN VISUAL CORTEX OF CAT DURING
WAKING, AROUSAL, SLOW WAVE SLEEP, AND FAST WAVE
SLEEP A65-80616

WALSH, T. J.
BOSCH PROCESS CLOSED CYCLE OXYGEN PRODUCTION UNIT
FOR SPACE APPLICATION AICE PREPRINT 47A A65-15398

WALTER, D. O.
SPECTRAL ANALYSIS OF BRAIN WAVE GENERATORS AS
MULTIPLE STATISTICAL TIME SERIES A65-21484

IMPEDANCE CHARACTERISTICS OF CORTICAL AND
SUBCORTICAL STRUCTURES OF CAT AS AFFECTED BY BLOOD
CARBON DIOXIDE LEVELS AND HYPOTHERMIA A65-80860

PARAMETERS FOR COMPUTER ANALYSIS OF
NEUROPHYSIOLOGICAL DATA USING EEG FROM
NORMATIVE LIBRARY N65-28766

CEREBRAL, CARDIOVASCULAR, AND BEHAVIORAL
PERFORMANCE OF MONKEY IN SPACE - BIOSATELLITE
PROGRAM N65-28772

ELECTROENCEPHALOGRAPHIC EXAMINATIONS OF MONKEYS
UNDER INFLUENCE OF VIBRATIONS AND CENTRIFUGING
NASA-CR-65018 N65-32718

WALTER, W. G.
EXPECTANCY WAVE IN BRAIN MECHANISMS AND PERCEPTION
A65-82255

WALTERS, M.
LITERATURE REVIEW ON PHYSIOLOGICAL EFFECTS OF

- BED REST
NASA-CR-171 N65-17876
- EFFECT OF BEDREST ON VARIOUS PARAMETERS OF
PHYSIOLOGICAL FUNCTION - NUTRITIONAL
REQUIREMENT
NASA-CR-175 N65-33542
- WALTON, B. C.
INTRAPERITONEAL INOCULATION OF MICE WITH SUBLETHAL
DOSAGES OF VIRUSES N65-22312
- WALTON, D. M.
INFLUENCE OF PRESSURIZED SUIT ON GRAVITY CENTERS
AND INERTIA MOMENTS OF HUMAN BODY
NA-64-527 N65-15788
- WANAT, Z.
EVALUATION OF RADIOLOGICAL PROTECTION CONDITIONS
IN ISOTOPE LABORATORIES IN POLAND
CLOR-34 N65-22501
- WANG, C. H.
TRITIUM LABELED PENTABORANE IN SMALL ANIMALS AND
EFFECTS ON GLUCOSE METABOLISM BY RATS
AMRL-TR-64-112 N65-17909
- HYDRAZINE METABOLISM STUDY ON RATS USING TOXIC AND
LETHAL DOSES OF MMH AND UDMH WITH C-14 TRACER
AMRL-TR-64-111 N65-19151
- EFFECT OF HYDRAZINES ON METABOLISM OF CERTAIN
AMINES AND AMINO ACIDS
AMRL-TR-64-113 N65-24417
- WANG, H.-S.
DYNAMIC PROPERTIES AND MODELING OF SENSITIVE
ELEMENTS FOLLOWING STIMULATION IN VARIOUS
BIOLOGICAL CONTROL SYSTEMS N65-23364
- WANG, S. C.
USE OF ISOTOPES IN CLINICAL, PREVENTIVE, AND
GENERAL MEDICINE N65-27609
- WANG, T.-C.
HUMAN EFFICIENCIES COMPARISON IN USE OF VERBAL
AND MOTOR REACTIONS TO VARIOUS CODED SIGNALS
A65-18333
- WANG, Y.-C.
MUTUALLY INHIBITORY TRANSIENT RETINAL
REACTIONS - PHYSIOLOGY N65-29348
- WAPNER, S.
BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC
PERCEPTION OF VERTICALITY A65-80018
- THRESHOLDS OF CRITICAL FUSION FREQUENCY
AND APPARENT MOTION AS AFFECTED BY CHANGES
IN FINGER-TAPPING RATE IN TIME A65-80248
- AUTOKINETIC MOTION AND SPACE LOCALIZATION IN
RELATION TO AUDITORY PERCEPTION
A65-81318
- WARD, H. L.
ANNOTATED BIBLIOGRAPHY ON GAMMA RADIATION IN
BIOLOGICAL AND MEDICAL RESEARCH
TID-3580 N65-22098
- ANNOTATED BIBLIOGRAPHY ON TECHNIQUES AND
INSTRUMENTS FOR RADIOACTIVE ISOTOPES
TID-3512, SUPPL. 1 N65-25023
- SUBJECT INDEX TO LITERATURE SURVEY DEALING WITH
RADIATION EFFECTS ON MAMMALIAN EYE
TID-3912/INDEX/ N65-31958
- WARD, R. J.
ARTERIAL OXYGEN TENSION AND FUNCTIONAL ATELECTASIS
AND HYPERINFLATION
AD-450346 N65-14761
- WARD, W. D.
TEMPORARY THRESHOLD SHIFT AFTER MONAURAL AND
BINAURAL EXPOSURE TO HIGH INTENSITY STIMULI
A65-81742
- WARE, C. T., JR.
INDIVIDUAL AND SITUATIONAL VARIABLES AFFECTING
HUMAN PERFORMANCE A65-34680
- WARNER, A. W.
RECOVERY OF POTABLE WATER FROM URINE BY MEMBRANE
PERMEATION
AMRL-TDR-64-73 N65-12040
- WARNER, H.
BRAIN TELESTIMULATOR WITH SOLAR CELL POWER SUPPLY
USED ON PRIMATES A65-81156
- WARNOCK, F. E.
ELECTRONIC ANALOG ARTIFICIAL EAR MODEL SIMULATION
FOR COMPLEX SOUND CLASSIFICATION AND THEORY OF
HEARING - ANALOG COCHLEA
NOLTR-64-191 N65-22496
- WARR, W. B.
STIMULUS CODING REFLECTED BY VARYING DISCHARGE
PATTERNS IN SUBDIVISIONS OF COCHLEAR NUCLEUS OF
CAT DURING ACOUSTICAL STIMULATION
A65-82268
- WARREN, R.
PSYCHOTROPIC EFFECTS OF CAFFEINE IN MAN -
DIFFERENCES IN SENSITIVITY TO CAFFEINE-INDUCED
WAKEFULNESS A65-81715
- WASHIZU, K.
HUMAN PILOT CONTROLLABILITY LIMIT OF UNSTABLE
SECOND ORDER SYSTEM AND RELATED TRANSFER FUNCTION
AS DETERMINED FROM SIMULATOR AND FLIGHT TESTS
A65-25323
- WASILEWSKA, ST.
RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN
YOUNG PERSONS DURING PHYSICAL EXERCISE
A65-81229
- WASKIEWICZ, J.
PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH
TEMPERATURES IN MAN A65-80848
- WASSENAAR, G. M. C.
GENERAL ANXIETY EFFECT AS INDEX OF LABILITY ON
PERFORMANCE OF PSYCHOMOTOR TASKS USING TAYLOR
MANIFEST ANXIETY SCALE - FACTOR ANALYSIS
A65-80021
- WASSERMAN, A. J.
HUMAN CEREBROVASCULAR RESPONSE TIME TO ELEVATION
OF ARTERIAL CARBON DIOXIDE TENSION BY CARBON
DIOXIDE INHALATION A65-81957
- WASSERMAN, K.
EXCESS LACTATE CONCEPT AND OXYGEN DEBT OF EXERCISE
A65-82166
- WATANABE, I.
MOTION SICKNESS- LABYRINTH FUNCTION, NYSTAGMUS
AND CORIOLIS ACCELERATION A65-81434
- WATANABE, T.
EXERCISE EFFECTS ON CORONARY AND PULMONARY
CIRCULATIONS OF 30 HUMAN SUBJECTS WITH CORONARY
SINUS CATHETERIZATION A65-31346
- HYPOXIA AND EXERCISE INFLUENCE ON CORONARY AND
PULMONARY CIRCULATION IN SCLEROTIC AND NORMAL
SUBJECTS A65-81668
- STANDARDIZATION OF COLLIMATION EQUIPMENT FOR
MEASURING THYROID ABSORPTION OF IODINE 131
REPT.-148 N65-36615
- WATERS, L. K.
RELATIONSHIPS AMONG NEEDS AND VALUES OF FLIGHT
CANDIDATES - PSYCHOLOGICAL TESTING
REPT.-39 N65-10509
- WATKINS, W. H.
ACOUSTIC FACILITATION OF VISUAL DETECTION
A65-82035
- INVESTIGATIONS OF ACOUSTIC EFFECT UPON VISUAL
DETECTION OF LIGHT SIGNAL
ESD-TR-64-557 N65-21144

PERSONAL AUTHOR INDEX

WEINTRAUB, D. J.

- WATSON, I. A. M.
NEW FORMS OF INSTRUMENTATION AND PRESENTATION OF
INFORMATION AIRCRAFT OPERATOR PERFORMANCE
A65-81213
- WATSON, J. A.
BEHAVIOR PATTERNS OF GROUPS EXPERIMENTALLY
CONFINED IN FALLOUT SHELTER
A65-81659
- WATSON, N. W.
TELEMETRIC SYSTEM FOR MEASUREMENT OF BLOOD FLOW
AND PRESSURE IN UNRESTRAINED ANIMALS
A65-81358
- WATTS, C.
ENZYME ACTIVITY INDICATING LIVER CHANGES DUE TO
ALCOHOL INGESTION
A65-82098
- WEALE, R. A.
DIRECTIONAL SENSITIVITY OF RETINA TO INCOMING
LIGHT WAVES AND EFFECT ON BRIGHTNESS
DISCRIMINATION
A65-80030
- WEAVER, R. S.
THEORETICAL ASPECTS OF ROLE OF ANGULAR
ACCELERATION IN VESTIBULAR STIMULATION
A65-82304
- WEAVER, W.
ELECTROCARDIOGRAPHIC OBSERVATION OF RESIDENTS
LIVING AT HIGH ALTITUDE
A65-82252
- WEBB, P.
LIQUID COOLED SPACE SUIT FOR METABOLIC HEAT
BALANCING DURING LUNAR EXPLORATION
A65-10693
- WATER VAPOR CONTENT FOR HUMAN COMFORT AND THERMAL
BALANCE IN SEALED CABINS AND PRESSURE SUITS
A65-28379
- QUANTITATIVE AND QUALITATIVE BIOASTRONAUTICAL
HUMAN FACTOR ANALYSIS
NASA-SP-3006
N65-15594
- WEBER, E. C.
MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHORFLUORIDATE
A65-80431
- WEBER, R. J.
HUMAN PERFORMANCE ON CONTINGENT DISCRIMINATION
TASK
A65-82336
- WEBER, T. B.
DYNAMIC BIOASTRONAUTICAL INSTRUMENTATION FOR
BIOCHEMICAL, BIODYNAMIC AND PSYCHOMOTOR SYSTEMS
ISA PAPER 16-1-3-64
A65-11184
- COMPARISON BETWEEN U.S. AND U.S.S.R. LIFE
SUPPORT SYSTEMS USED IN SPACE FLIGHTS NOTING
PHYSICAL LAYOUT, RADIATION SHIELDING, GROUND
SIMULATION, DIETARY CHANGES, ETC
A65-34475
- WEBSTER, J. G.
MEDICAL INVESTIGATION OF HUMAN FACTORS IN AIRCRAFT
ACCIDENTS
A65-36003
- WEBSTER, W. R.
AMPLITUDE CHANGES OF EVOKED POTENTIALS AT INFERIOR
COLLICULUS OF CAT DURING ACOUSTIC HABITUATION
A65-80197
- EFFECT OF ATTENTION ON EVOKED RESPONSES IN
CLASSICAL AUDITORY PATHWAY IN CATS
A65-81706
- WECHSLER, A. E.
LUNAR WATER EXTRACTION PROCESSES AND TYPES OF
DEPOSITIONS
A65-34271
- WEENE, P. L.
PATTERN RECOGNITION IN RANDOM AND ORDERLY
PRESENTATION OF VISUAL SEQUENCES.
A65-81571
- WEETALL, H. H.
IMMUNOADSORBENT SYNTHESIS FOR ISOLATING PURINE-
SPECIFIC ANTIBODIES FROM BLOOD SERUM
A65-25911
- CELLULOSE DERIVATIVES TO ISOLATE ANTIBODIES FROM
SERUM
A65-26273
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING
CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN
HYDROGEN PEROXIDE DECOMPOSITION
A65-26285
- REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH
ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS
WITH ANTIPURINOYL ANTIBODY WITH OR WITHOUT HEAT
DENATURATION
A65-33947
- WEGMANN, H. M.
MENTAL AND PHYSIOLOGICAL DEPRESSION OF AIRCREW
PERSONNEL ON OVERSEAS FLIGHTS DUE TO CIRCULATORY
PARAMETER VARIATIONS CAUSED BY VAGOTOMIA
A65-26173
- FATIGUE IN AIRCREW REFLECTED IN CIRCULATORY
ALTERATIONS DURING OVERSEAS FLIGHTS
A65-81296
- WEGNER, S.
PRECORDIAL VIBRATIONS FROM LEFT PARASTERNAL AREA
IN DOGS COMPARED WITH HEART PRESSURE CURVES FOR
ASSESSING VIBROCARDIOGRAM ACCURACY IN DETERMINING
HEMODYNAMIC EVENTS DURATION
A65-22329
- PHYSIOLOGICAL AND CARDIOGRAPHIC FACTORS ASSOCIATED
WITH HEART FUNCTION IN MAN AND DOGS
NASA-CR-57145
N65-18490
- WEINBERG-ONICHIMOWSKA, D.
VALIDITY OF CRAMPTON TEST IN APPRAISAL OF
CARDIOVASCULAR EFFICIENCY OF INDIVIDUAL
ENGAGED IN STRENUOUS PHYSICAL EXERCISE
A65-80320
- WEINGARTEN, M.
CENTRIFUGAL OPTIC NERVE RESPONSES EVOKED BY
AUDITORY AND SOMATIC STIMULATION IN CATS
A65-81931
- WEINMAN, K. P.
DEHYDRATION EFFECTS ON ECCRINE SWEATING OF
SUBJECTS EXERCISING IN ENVIRONMENTAL CHAMBER
A65-80899
- CARDIOVASCULAR, THERMOREGULATORY, ACCLIMATIZATION,
AND TOLERANCE RESPONSES OF HUMAN MALE AND FEMALE
TO HOT ENVIRONMENTS
A65-80962
- WEINSTEIN, S.
PSYCHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SENSORY
DEPRIVATION, PARTICULARLY FOR SPACE TRAVEL
A65-29100
- TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609
N65-29386
- EFFECTS OF SENSORY DEPRIVATION ON SPACE TRAVEL -
SENSORY, PERCEPTUAL, AND PHYSIOLOGICAL ASPECTS
N65-33628
- WEINSTEIN, S. A.
EXTERNAL ELASTIC AND THRESHOLD LOADING ON
BREATHING IN MAN
A65-81146
- APPARATUS FOR PRODUCTION OF GAS MIXTURES OF
PRECISELY CONTROLLED COMPOSITION FOR INSPIRATION
BY SMALL ANIMALS
A65-81151
- WEINTRAUB, D. J.
APPARENT VERTICALITY- FUNDAMENTAL
VARIABLES OF SENSORY-TONIC
THEORY REINVESTIGATED
A65-80239
- SIMULTANEOUS CONTRAST INVOLVING LUMINANCE
AND PURITY ALTERATION OF GANZFELD
A65-80240

- WEIR, D. H.
DEVELOPING LATERAL STABILITY AND DIRECTIONAL
CONTROL HANDLING QUALITIES IN LANDING APPROACH
CONTROL OF AIRCRAFT
NASA-CR-239 N65-27946
- WEIR, F. W.
CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION
EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON
VARIOUS ANIMALS A65-18431
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND
TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND
MONKEYS BREATHING RELATIVELY PURE OXYGEN A65-80581
- TOXIC EFFECTS OF PENTABORANE AND DECABORANE
ON ANIMALS - COMPARISON WITH RESERPINE
AMRL-TR-65-49 N65-30346
- ACUTE TOXIC EFFECTS OF UDMH, MMH, AND SDMH
UPON MICE AND RATS
AMRL-TR-65-48 N65-31081
- WEIS, E. B., JR.
BIOMECHANICAL METHODS FOR DETERMINING HUMAN BODY
RESPONSE TO DYNAMIC ENVIRONMENT A65-10544
- WEISINGER, M.
TOTAL ADAPTION TO PRISMATIC DISPLACEMENT WITHOUT
SELF PRODUCED MOVEMENTS
NASA-CR-58609 N65-29386
- WEISKRANTZ, L.
SIMULTANEOUS VISUAL DISCRIMINATION PERFORMANCE OF
MONKEY AFTER ADMINISTRATION OF MEPROBAMATE A65-81440
- WEISS, A. D.
LOCUS OF AUDITORY REACTION TIME CHANGE WITH SET,
MOTIVATION, AND AGE MEASURED BY ELECTROMYOGRAM
A65-80631
- WEISS, E. C.
FAULT ISOLATION/CORRECTION TEXT AND
TROUBLESHOOTING DIAGRAMS FOR SAGE MAINTENANCE
TECHNICIANS
ESD-TR-64-664 N65-19351
- WEISS, H. S.
AVIAN EMBRYO THROUGH HATCHING AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE AT ONE ATMOSPHERE AND IN
SEALED SYSTEM A65-19838
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY
SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR
HELIUM-OXYGEN ATMOSPHERE A65-22902
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN
HELIUM-OXYGEN ATMOSPHERE A65-80724
- FOOD CONSUMPTION, BODY WEIGHT, BODY COMPOSITION,
AND ATHEROSCLEROSIS IN COCKS AFTER EXPOSURE TO
HEAT AND COLO A65-81604
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE,
ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS,
AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS
BREATHING NEARLY PURE OXYGEN A65-82154
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN
AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM -
OXYGEN ENVIRONMENT
NASA-CR-57477 N65-19871
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-
OXYGEN ATMOSPHERE
NASA-CR-56876 N65-22195
- WEISS, T.
ELECTROENCEPHALOGRAPHIC CHANGES IN MICE IN
WAKE-SLEEP CYCLE A65-80329
- BODY TEMPERATURE CHANGES AND EFFECT ON
THETA RHYTHM IN RAT HIPPOCAMPUS A65-80330
- ELECTROENCEPHALOGRAPHIC ACTIVITY OF FRONTAL
CORTEX, DORSAL HIPPOCAMPUS, AND MESENCEPHALIC
RETICULAR FORMATION OF RAT DURING PARADOXICAL AND
SLOW WAVE SLEEP A65-81381
- WEISS, T. F.
MODEL OF PERIPHERAL AUDITORY SYSTEM - CASE STUDY
IN NEURAL MODELING
NASA-CR-58094 N65-35219
- WEISSMAN, S.
RELATIONSHIP BETWEEN STATIC AND DYNAMIC VISUAL
ACUITY A65-81978
- WEISSTEIN, N.
U-SHAPED BACKWARD MASKING FUNCTION IN VISION
A65-80687
- WEISWURM, K.
ATMOSPHERE MOVEMENT AND DIFFUSION OF RESPIRED GAS
IN WEIGHTLESS MANNED SPACE ENCLOSURE, BASED ON
DIMENSIONAL ANALYSIS AND MODEL THEORY A65-19839
- WEITZNER, M.
AMPHETAMINE EFFECTS ON ANXIETY AND MENTAL AND
PSYCHOMOTOR PERFORMANCE A65-81481
- WELCH, B. E.
INERT GASES IN SPACECRAFT ATMOSPHERE, CONSIDERING
PHYSIOLOGICAL SUITABILITY AND ENGINEERING
CONSTRAINTS A65-14576
- PHYSIOLOGICAL EFFECTS ON HUMANS EXPOSED TO
INCREASED OXYGEN TENSION IN SPACE CABIN AT
SIMULATED ALTITUDE OF 27,000 FEET FOR 14 DAYS
N65-14453
- EFFECT OF PRESSURE SUIT VENTILATING AIRFLOW ON
HUMAN WATER REQUIREMENTS IN SPACECRAFT CABIN
ATMOSPHERE N65-14454
- DEHYDRATED, LIQUID, AND FROZEN FOODS IN DIET FOR
SPACE FLIGHT NUTRITION N65-18583
- WELCH, J. C.
SPEED AND ACCURACY OF TARGET RECOGNITION BY
NAVIGATORS USING SIDE-LOOKING RADAR DURING
AERIAL RECONNAISSANCE
AMRL-TR-64-101 N65-14001
- WELIKY, N.
IMMUNOADSORBENT SYNTHESIS FOR ISOLATING PURINE-
SPECIFIC ANTIBODIES FROM BLOOD SERUM A65-25911
- CELLULOSE DERIVATIVES TO ISOLATE ANTIBODIES FROM
SERUM A65-26273
- MICROORGANISM DETECTION IN SOILS BY ESTIMATING
CONCENTRATION OF INTRACELLULAR CATALASE, ENZYME IN
HYDROGEN PEROXIDE DECOMPOSITION A65-26285
- REACTIVITY OF DEOXYRIBONUCLEIC ACID / DNA/ WITH
ANTIBODY SHOWING THAT SALMON SPERM DNA REACTS
WITH ANTIPURINYL ANTIBODY WITH OR WITHOUT HEAT
DENATURATION A65-33947
- WELLER, S.
MEDICAL SUPERVISION OF INJURED DURING TRANSPORT BY
HELICOPTER A65-81613
- WELLS, J. B.
BALLISTOCARDIOGRAMS OF TRAINED AND UNTRAINED
SUBJECTS AT REST AND DURING EXERCISE A65-80455
- WELSCH, G.
FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER
EXTREME PHYSICAL STRESS A65-80186
- WELTERS, H.
OBJECTIVE REPRESENTATION OF STRESS IMPOSED IN
CIRCULATORY FUNCTION TESTS A65-81493
- WELTMAN, G.
GEMINI BIDINSTRUMENTATION SYSTEM FOR PHYSICAL EXAM
IN FLIGHT A65-21499

- WEMPE, T. E.
GUST INDUCED AND MANEUVERING ACCELERATION STRESS
EFFECT ON PILOT-VEHICLE PERFORMANCE DURING
EXTENDED PERIODS OF LOW LEVEL HIGH SPEED FLIGHT
A65-19845
- PILOT PERFORMANCE AS AFFECTED BY GUST-INDUCED AND
MANEUVERING ACCELERATION A65-80728
- PILOT PERFORMANCE USING VISUAL DISPLAY FOR GUIDING
HIGH SPEED AIRCRAFT IN CLOSE PROXIMITY TO
TERRAIN
NASA-TN-D-1827 N65-11043
- PILOTED MOTION SIMULATOR STUDY OF GUST INDUCED
AND MANEUVERING ACCELERATION STRESS ON PILOT
PERFORMANCE IN LOW LEVEL MISSION
NASA-TM-X-51748 N65-21756
- PILOT-VEHICLE SYSTEM SIMULATION FOR LOW ALTITUDE
HIGH SPEED FLIGHT
NASA-TN-D-2793 N65-25925
- WEMPEN, R. R.
HUMAN TOLERANCE TO POSITIVE ACCELERATION AS
AFFECTED BY DEHYDRATION DURING HEAT STRESS
A65-82116
- WENDROW, B.
LOGISTICS CONSIDERATIONS OF FUTURE SPACE SYSTEMS
AND VARIABLE EXPENDABLES, CONSIDERING WORKER
OUTPUT CHARACTERISTICS A65-14230
- SPACECREW PHYSICAL EXERCISE REQUIREMENT EFFECTS ON
SYSTEM DESIGN AND MISSION SUCCESS A65-21208
- LOGISTICS CONSIDERATIONS DERIVED FROM VARIATIONS
IN OPERATOR OUTPUT CHARACTERISTICS A65-80139
- SYSTEMS DESIGN COSTS AND CONSIDERATIONS AS
FUNCTION OF MAINTAINING SPACE CREW PHYSICAL
FITNESS A65-81966
- WENT, A.
PHYSIOLOGICAL INDICES OF ACCLIMATIZATION TO HIGH
TEMPERATURES IN MAN A65-80848
- WENTZ, A. E.
INVESTIGATION OF CARDIOVASCULAR, NEUROLOGICAL,
PULMONARY, VISION, AUDITORY, AND BIOCHEMICAL
SYSTEMS FOR STUDY OF AGING IN AVIATION PERSONNEL
AM-64-1 N65-15169
- WERDER, A. A.
ERYTHROPOIETIC STIMULATING FACTOR / ESF/ EFFECT ON
HUMAN SYNOVIAL MEMBRANE AND MONOCYTIC LEUKEMIA
CELL GROWTH IN VITRO A65-14607
- WERNER, G.
AIR CONDITIONING AND HUMAN COMFORT AS RELATED TO
ENVIRONMENTAL TEMPERATURE, SWEATING, BLOOD
CIRCULATION, AND BODY HEAT REGULATION
A65-82031
- WERNER, H.
BODY TILT AND EFFECT ON TACTILE AND KINESTHETIC
PERCEPTION OF VERTICALITY A65-80018
- THRESHOLDS OF CRITICAL FUSION FREQUENCY
AND APPARENT MOTION AS AFFECTED BY CHANGES
IN FINGER-TAPPING RATE IN TIME A65-80248
- AUTOKINETIC MOTION AND SPACE LOCALIZATION IN
RELATION TO AUDITORY PERCEPTION A65-81318
- WERSALL, J.
FUNCTIONAL ANATOMY AND MORPHOLOGICAL FEATURES OF
VESTIBULAR AND LATERAL LINE ORGANS OF EQUILIBRIUM,
NOTING HAIR CELL A65-25647
- MORPHOLOGY AND POLARIZATION OF HAIR CELLS OF
VESTIBULAR END ORGAN A65-81721
- WESSEL, H. U.
VALIDITY OF PHONOCARTERIOGRAPHIC BLOOD PRESSURE
DURING REST AND EXERCISE A65-80079
- WEST, J. B.
BLOOD FLOW DISTRIBUTION AND PRESSURE-FLOW
RELATIONS OF WHOLE DOG LUNG A65-80664
- OXYGEN AND CARBON DIOXIDE EXCHANGE RESPONSE TO
BLOOD PRESSURE CHANGES IN DOG LUNG AS RELATED TO
BLOOD FLOW A65-81894
- WEST, J. V.
FEASIBILITY OF MANNED PARTICIPATION IN CONTROL
OF LARGE LAUNCH VEHICLE
NASA-TN-D-2807 N65-23166
- WEST, R. E.
ENGINEERING PROBLEMS IN MICROORGANISM CULTURE
ON LARGE SCALE N65-16628
- WESTALL, D.
HEART RATE OF RAT AS AFFECTED BY WATER INTAKE,
PENTOBARBITAL SODIUM, AND SODIUM CHLORIDE
A65-80999
- WESTERLAAN, A.
HEARING PROTECTION METHODS IN NETHERLANDS AIR
FORCE A65-82054
- WESTHEIMER, G.
ELECTRORETINOGRAMS CHARACTERISTIC OF VARIOUS AREAS
OF RETINA AND USE OF TECHNIQUE AS FUNCTION TEST
A65-82075
- WESTHOFF, D. D.
IN VITRO STUDY OF D-GLUCOSE INTESTINAL ABSORPTION
IN ACTIVE AND HIBERNATING, IRRADIATED AND
NONIRRADIATED GROUND SQUIRREL A65-20020
- WESTHOP, D. C.
VECTORELECTROCARDIOGRAPHIC TECHNIQUES FOR
DETERMINING HEART POSITION DURING VIBRATION
GE/EE/64-23 N65-14413
- WESTON, C. R.
WOLF TRAP DEVICE DETERMINING GROWTH OF
MICROORGANISMS BY MEASURING INTENSITY OF LIGHT
SCATTERED BY ORGANISMS A65-10731
- MICROORGANISM MEASUREMENT IN WOLF TRAP BY
LIGHT SCATTERING METER - LIFE DETECTOR
N65-16611
- WESTON, P. B.
NOISE USED TO ELIMINATE ONE EAR FROM MASKING
EXPERIMENTS A65-81075
- BONE-CONDUCTED TONES MASKED BY AIR-CONDUCTED NOISE
A65-82023
- WETHERHOLD, J. M.
TREATMENT OF HYDROFLUORIC ACID BURNS BY COOLING
AND DRUGS A65-81186
- WETHERICK, N. E.
PROBLEM-SOLVING ABILITY OF YOUNG, MIDDLE-AGED, AND
OLD MALES A65-80655
- WEYBKEW, B. B.
PSYCHOLOGICAL RESPONSE PATTERNS, STRESS
RECOVERABILITY, AND PREDICTION OF ADJUSTMENT TO
PROLONGED SUBMERGENCE ABOARD BALLISTIC MISSILE
SUBMARINE
REPT.-416 N65-18876
- WEYBREW, B. B.
AUTONOMIC RESILIENCY, SUBJECTIVE SYMPTOMATOLOGY,
AND BIOLOGICAL STRESS OF SUBMARINE ENVIRONMENT -
AUTONOMIC NERVOUS SYSTEM MECHANISMS
MR-63-13 N65-35295
- WEYMULLER, E. A.
POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- WHALEN, R. E.
CARDIOVASCULAR AND HEMODYNAMIC RESPONSES TO
HYPERBARIC OXYGENATION A65-81204
- CASE HISTORY OF CLINICAL HYPERBARIC OXYGENATION
WITH SEVERE OXYGEN TOXICITY A65-81868

WHALEN, W. J.
OXYGEN TENSION EFFECT ON OXYGEN CONSUMPTION, NA22
EFFLUX, AND CONTRACTILITY OF MUSCLES OF FROG
A65-81022

WHELAN, R. F.
ROLE OF SKIN AND MUSCLE VESSELS OF HEATED AND
COOLED SUBJECTS IN FOREARM BLOOD FLOW RESPONSE
TO NOREPINEPHRINE
A65-80180

WHERRY, R. J., JR.
PILOT SELECTION AND NAVAL AVIATION
A65-81041

MEASURE OF SUSCEPTIBILITY TO ANTICIPATORY PHYSICAL
THREAT STRESS AS RELATED TO COLOR DISCRIMINATION
PERFORMANCE
A65-82118

FLIGHT TRAINING PERSONNEL ATTRITION RATES
BUMED-40
N65-17242

WHISH, J. C.
GROWTH RATE AND MAGNETIC MAGNETOTROPIC RESPONSE OF
PLANTS EXPOSED TO MAGNETIC FIELDS
A65-80422

WHITE, C. E.
ANNOTATED BIBLIOGRAPHY ON HUMAN FACTORS AND
ENGINEERING
NASA-CR-67336
N65-35409

WHITE, C. T.
PURSUIT TRACKING PERFORMANCE AND ACTIVATION
LEVEL AS FUNCTION OF INTERMITTENT VISUAL
INPUT DISRUPTION, FLICKER RATE, AND WORK TIME
A65-80256

ACTIVATION AND BEHAVIOR- VISUALLY EVOKED CORTICAL
POTENTIALS IN MAN AS INDICATORS OF ACTIVATION
LEVEL
A65-80260

EVOKED POTENTIALS AND CORRELATED JUDGMENTS OF
BRIGHTNESS AS FUNCTIONS OF INTERFLASH INTERVALS
A65-81158

SYNCHRONIZATION ERROR IN BIMANUAL OPERATION OF
CONTROLS
A65-81572

WHITE, D.
FATTY-ACID SYNTHESIS IN YEAST PREPARATIONS SHOWING
HOW THESE PREPARATIONS ARE AFFECTED BY
INTERMEDIATES OF OXIDATIVE AND FERMENTATIVE
METABOLISM OF GLUCOSE
A65-33702

WHITE, E. R.
RADIOACTIVITY AND HYDROTHERMAL PROCESSES IN
PROTOBIOCHEMISTRY - ABIOTIC
NASA-CR-63560
N65-27062

WHITE, H. L.
TIME ESTIMATION- METHODOLOGICAL CONSIDERATION
OF POSITIVE FEEDBACK TECHNIQUE
A65-80257

WIT CORRELATED WITH CREATIVITY, DEFENSIVENESS, AND
LEADERSHIP
A65-81126

WHITE, L. A.
COMPRESSIBILITY OR MECHANICAL STIFFNESS OF HUMAN
LOWER LIMBS UNDER STATIC LOADS AND DEFORMATION
OF LIMB STRUCTURE
DTMB-1810
N65-17039

WHITE, M. S.
PHYSICAL FITNESS AND PILOT SELECTION IN CIVIL
AVIATION
A65-81370

WHITE, R. I., JR.
RELATIONSHIPS AMONG OXYGEN CONSUMPTION, PULMONARY
VENTILATION, RESPIRATORY EXCHANGE RATIO, BODY
WEIGHT, AND SURFACE AREA OF OBESE SUBJECTS
A65-80666

WHITE, R. M.
BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN
ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2
N65-19004

WHITE, W. F.
MICROWAVE SPECTROSCOPY USED TO IDENTIFY

UNAMBIGUOUSLY CONTAMINANT TRACE GASES IN MIXTURE
AND INDICATE AMOUNT OF EACH
AICE PREPRINT 54D
A65-15251

WHITE, W. J.
BRIGHTNESS DISCRIMINATION THRESHOLDS OF SIX
SEMISUPINE VISUALLY ADAPTED SUBJECTS UNDER SHORT
PERIODS OF WEIGHTLESSNESS AND UNDER 1-G CONTROL
A65-22906

INCREASED AND ZERO GRAVITY EFFECTS ON HUMAN VISION
FOR MANNED SPACE FLIGHT
A65-35485

PROGRAM OF VISUAL EXPERIMENTS FOR ORBITAL RESEARCH
LABORATORIES INCLUDING GEMINI AND APOLLO TEST
SCHEDULE FOR EVALUATION OF HUMAN VISION IN SPACE
A65-35495

BRIGHTNESS DISCRIMINATION THRESHOLD AS AFFECTED BY
WEIGHTLESSNESS ON TWO LEVELS OF ACCELERATION
A65-80948

HUMAN TOLERANCE TO POSITIVE ACCELERATION AS
AFFECTED BY DEHYDRATION DURING HEAT STRESS
A65-82116

WHITESIDE, T. C. D.
INVOLUNTARY EYE MOVEMENTS RELATED TO VISUAL
ILLUSIONS
A65-81218

VISUAL ILLUSIONS RELATED TO INVOLUNTARY EYE
MOVEMENT
NASA-CR-63651
N65-27513

MAN-MACHINE ANTHROPOMECHANIC SYNERGY DEPENDENCE
UPON COMMUNICATION
N65-28451

WHITFIELD, J. F.
NICOTINAMIDE EFFECT ON X-RAY IRRADIATED
SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E
N65-32144

WHITFIELD, W. J.
MICROBIOLOGICAL STUDIES IN LAMINAR DOWN-FLOW CLEAN
ROOM
SC-RR-65-47
N65-19646

WHITHAM, C. J., JR.
ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL
FLIGHT SUIT FOR PROTECTION FROM COLD DURING
IMMERSION IN WATER
TAC-TR-63-31/D/
N65-27567

WHITMAN, E. C.
RELATIONS BETWEEN SCORES OF P B-WORD TEST AND
MODIFIED RHYME TEST AND TEST CONDITIONS
A65-28430

WHITTEN, D. G.
EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-15153

EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY
A65-22137

WHITTENBURG, J. A.
VISUAL TARGET DETECTION - DEVELOPMENT OF AIR TO
GROUND DETECTION/IDENTIFICATION MODEL -
BIOTECHNOLOGY
HSR-RR-65/4-DT
N65-35430

WHITTENBURG, V. A.
AIRPORT-HELIPORT MARKING AND LIGHTING - HUMAN
FACTORS
RD-64-94
N65-10648

WHITTINGHAM, C. P.
PHOTOSYNTHETIC MECHANISMS UNDER SUBOPTIMAL
CONDITIONS
AFOSR-65-0056
N65-20566

WHITTLE, P.
BINOCULAR RIVALRY AND CONTRAST AT CONTOURS
A65-82083

WICHMANN, J.
ELECTRODERMAL RESPONSE IN NORMAL MEN AND THOSE

- WITH CIRCULATORY DISTURBANCES INFLUENCED BY
BEDREST AND EXERCISE A65-82214
- WICHMANN, T. F.
INDIRECT BLOOD PRESSURE MONITORING A65-81053
- WICK, R. L., JR.
OPHTHALMOLOGIST APPROVAL OF CONTACT LENSES BY
PILOTS IF PROPERLY FITTED A65-18434
SAFETY FACTORS AND ADVANTAGES INVOLVED IN CONTACT
LENS UTILIZATION BY COMMERCIAL AND AIRLINE PILOTS A65-24097
CIVIL AVIATION AND USE OF CONTACT LENSES A65-80580
FIVE-YEAR HISTORY OF SAILPLANE ACCIDENTS AND
MEDICAL EXAMINATION REQUIREMENTS OF GLIDER PILOTS A65-80730
- WICKER, J. E.
GAMMA RADIATION EFFECT ON OPERANT
WATER-REINFORCEMENT BEHAVIOR IN RAT A65-81547
- WIDERA, D. W.
BIOLOGICAL EFFECTS OF HIGH ENERGY RADIATION ON
SEEDS OF BARLEY AND LILUM REGALE A65-80843
- WIELAND, B. A.
REPETITIVE PSYCHOMETRIC MEASURES BATTERY - ADDITIO
OF SPATIAL ORIENTATION TEST A65-81628
- WIENER, E. L.
MULTIMAN TEAM PERFORMANCE FOR VISUAL MONITORING
TASK A65-10539
VIGILANCE PERFORMANCE IN MULTICHANNEL MONITORING
A65-80348
- WIENKE, R. E.
LIGHT FLASH PROPORTION DETERMINATION DETECTED BY
SUBJECTS AS FUNCTION OF TWO FLASH GROUPINGS AND
TWO LEVELS OF FLASH INTENSITY A65-18293
ABSOLUTE JUDGMENTS OF LIGHT INTENSITY WITH EYE
HELD IN CONSTANT STATE OF DARK ADAPTION
AMRL-TR-64-103 N65-14002
- WIERSMA, W.
EFFECT OF AGE UPON SPEED OF CONCEPT ATTAINMENT
A65-81864
- WIERWILLE, W. W.
CLASSIFICATION DIAGRAM FOR VISUAL DISPLAY SYSTEMS
OF MAN-MACHINE SYSTEMS A65-10541
DETERMINISTIC CHARACTERIZATION THEORY FOR
DETERMINING TIME-VARYING DYNAMICS OF HUMAN
OPERATOR ENGAGED IN TRACKING TASKS A65-22033
THEORY FOR OPTIMAL DETERMINISTIC CHARACTERIZATION
OF TIME-VARYING HUMAN OPERATORS ENGAGED IN
TRACKING TASK A65-35475
OPTIMAL CHARACTERIZATION THEORY OF TIME VARIATION
DYNAMICS OF TRANSFER FUNCTION OR REACTION TIME
OF HUMAN PERFORMANCE
NASA-CR-170 N65-17326
- WIERZUCHOWSKI, M.
EFFECT OF PHYSICAL EXERCISE ON BLOOD SUGAR LEVEL
IN DOGS A65-80833
- WIESEN, R. A.
DECISION THEORETIC AND EMPIRICAL INVESTIGATION OF
PROBABILISTIC DISCRIMINATION LEARNING SITUATIONS
ESD-TDR-64-192 N65-25943
- WIEZOREK, W. D.
POISONING FROM COMMERCIAL PREPARATIONS CONTAINING
PHOSPHORIC ACID ESTER BASE
JPRS-32340 N65-36205
- WIGAND, M. E.
STAPEDIUS REFLEX TO TONE STIMULI OF MEDIUM
LOUDNESS IN ALERT RABBIT A65-82142
- WIGENT, R. A.
ATTENTION, PERCEPTION, EMOTION AND JUDGEMENT IN
PILOT CAUSED AIRCRAFT ACCIDENTS A65-16372
- WILBER, C. G.
HISTOCHEMICAL RESPONSES OF GUINEA PIG TISSUES TO
COLD
AAL-TDR-64-9 N65-35630
- WILBER, S. A.
INTERHOSPITAL PHYSIOLOGICAL MONITORING SYSTEM AS
RELATED TO TELEMETRY A65-81284
- WILCKEN, D. E. L.
STROKE VOLUME IN CONSCIOUS DOG AS AFFECTED BY
RESPIRATION, POSTURE, AND VASCULAR OCCLUSION
MEASURED WITH ELECTROMAGNETIC FLOW METER A65-81899
- WILEY, R. H.
MAGNETIC EFFECT ON ENZYME ACTIVITY OF TRYPSIN
FOLLOWING PARTIAL INHIBITION WITH EGG WHITE,
AUTOLYSIS, SOYBEAN, ULTRAVIOLET RADIATION, AND
DIISOPROPYLPHOSPHOROFUORIDATE A65-80431
- WILEY, R. L.
RESPIRATORY MECHANICS AND DIAPHRAGM
ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF
RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE
TO INSPIRATION A65-80315
- WILHITE, W. F.
EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY A65-15153
EXTRATERRESTRIAL LIFE DETECTION PROGRAM USING GAS
CHROMATOGRAPHY AND MASS SPECTROMETRY A65-22137
- WILHJELM, B. J.
PROTECTIVE ACTION OF SOME ANAESTHETICS AGAINST
ANOXIA IN MICE A65-81209
INVESTIGATIONS INTO PROTECTIVE ACTION OF
ANESTHETICS AGAINST ANOXIA IN MICE A65-81210
- WILKINSON, M.
ASTRONAUT BODY POINT DOSAGES OF RADIATION FROM
SOLAR FLARES UNDER DIFFERENT SHIELDING CONDITIONS
A65-13764
- WILKS, S. S.
PLANT SYSTEMS FOR ASTRONAUT NUTRITION IN SPACE
FLIGHT N65-18593
- WILLHOIT, D. G.
STRUCTURAL DEFECTS IN TEETH OF RATS RESULTING
FROM WHOLE BODY FISSION NEUTRON IRRADIATION
SAM-TR-65-8 N65-26241
- WILLIAM-OLSSON, G.
BLOOD POTASSIUM, PHOSPHORUS, LACTIC ACID LEVELS,
AND ELECTROCARDIOGRAPHIC EFFECTS OF HYPOCAPNIA IN
DOG DURING EXTRACORPOREAL CIRCULATION A65-80578
- WILLIAMS, C. E.
FACTORS INFLUENCING HUMAN RESPONSE TO AIRCRAFT
NOISE - MASKING OF SPEECH AND VARIABILITY OF
SUBJECTIVE JUDGMENTS
FAA-ADS-42 N65-33435
- WILLIAMS, C. G.
NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS A65-80274
ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS A65-80678
PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE
AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132

- WILLIAMS, E. W.**
FLYING STRESS IN RELATION TO FLYING PROFICIENCY AS DETERMINED BY POSTFLIGHT URINE ANALYSIS A65-18430
- PHYSIOLOGICAL EFFECTS OF FLYING, DISCUSSING ENDOCRINE AND METABOLIC CHANGES DURING SIMULATED FLIGHT A65-32629
- FLYING STRESS IN RELATION TO FLYING PROFICIENCY OF PILOTS A65-80534
- ENDOCRINE AND METABOLIC CHANGES DURING 12-HOUR SIMULATED AIRCRAFT FLIGHT A65-81729
- POSTFLIGHT URINARY DETERMINATIONS USED FOR EVALUATING FLIGHT STRESS IN PILOTS IN RELATION TO FLYING PROFICIENCY SAM-TR-64-88 N65-31787
- WILLIAMS, G. M.**
STRESS SYNDROME RELATED TO ACHIEVEMENT MOTIVATION - RELATIONSHIPS WITH AGE AND SERUM CHOLESTEROL A65-81753
- WILLIAMS, H. L.**
AUDITORY EVOKED RESPONSES AND ELECTROENCEPHALOGRAPHIC STAGES OF SLEEP A65-80638
- SIGNAL UNCERTAINTY IN COMPLEX VIGILANCE TASKS AND SLEEP LOSS A65-81043
- WILLIAMS, J. F.**
EMPIRICAL EVALUATION OF THEORETICAL MODEL OF LATENT CLASS ANALYSIS TO DETERMINE IF POPULATION OF RESPONDENTS CAN BE DIVIDED INTO FINITE NUMBER OF GROUPS OR CLASSES - COMPUTER PROGRAMMING NASA-CR-63870 N65-28869
- WILLIAMS, J. G. L.**
MICROVIBRATION OF HUMAN BODY EXPLAINED BY RESONANCE THEORY A65-80200
- WILLIAMS, L. G.**
VISUAL SEARCH - EYE FIXATIONS AS DETERMINED BY INSTRUCTED TARGET CHARACTERISTICS T-125 N65-36786
- WILLIAMS, O. E., JR.**
CORTICAL COMPUTING UNIT IN HUMAN VISUAL PATTERN RECOGNITION - DIGITAL COMPUTER MODEL GE/EE/64-22 N65-26347
- WILLIAMS, R. C.**
FUNDUSCOPIC AND HISTOLOGICAL STUDY OF CHORIORETINAL INJURY AS FUNCTION OF EXPOSURE TIME BY LASER AND LIGHT COAGULATOR IN RABBITS A65-81093
- WILLIAMS, R. J.**
MODE OF ICE FORMATION IN FREEZING OF FROG TISSUE AAL-TDR-63-26 N65-12189
- TIME FACTOR INITIATING FREEZING AND ICE PENETRATION AND FORMATION IN MOUSE LIMB TISSUE AAL-TDR-63-27 N65-17910
- COMPARATIVE STUDY OF FREEZING INJURY IN RATS AND HAMSTERS - COLD TOLERANCE AAL-TDR-63-30 N65-18972
- WILLIAMS, T. A.**
PERSONALITY CORRELATES OF PHYSIOLOGICAL REACTIVITY TO STRESS IN FORTY-SIX YOUNG MEN A65-81248
- WILLIAMS, W. C.**
X-15 PROGRAM AND MERCURY PROJECT MANNED SPACE FLIGHT - ROLE OF PILOT OR ASTRONAUT N65-28453
- WILLIAMS, W. E.**
ANTIEXPOSURE SUIT ENVIRONMENTAL TESTING - COVERALL FLIGHT SUIT FOR PROTECTION FROM COLD DURING IMMERSION IN WATER TAC-TR-63-31/D/ N65-27567
- WILLMS, C. R.**
MULTIENZYME SYSTEM FOR CATALYZING MULTISTAGE OXIDATIVE DECARBOXYLATION OF PYRUVATE IN ESCHERICHIA COLI A65-16854
- STRUCTURE OF PYRUVATE DEHYDROGENASE COMPLEX OF ESCHERICHIA COLI NASA-CR-58980 N65-29416
- WILLIAMS, D.**
CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT - SENSORY DEPRIVATION A65-80024
- WILSON, A. C.**
QUANTITATIVE MICRO-COMPLEMENT FIXATION FOR DETECTION OF SMALL DIFFERENCES IN PROTEIN STRUCTURE NASA-CR-58660 N65-29652
- WILSON, C. L.**
WILEY POST- HISTORICAL FIRST TEST OF HIGH ALTITUDE PRESSURE SUITS IN UNITED STATES '65-81399
- SOVIET HIGH ALTITUDE PRESSURE SUIT DEVELOPMENT FROM 1934-1955 A65-81972
- WILSON, G. L.**
EFFECT ON CHIMPANZEE PERFORMANCE AFTER BEING SUBJECTED TO DECOMPRESSION TO NEAR VACUUM FOLLOWED BY RECOMPRESSION - AEROSPACE MEDICINE N65-36769
- WILSON, J. G.**
EFFECT OF FATIGUE ON AIR TRAFFIC CONTROLLERS A65-23930
- WILSON, N. J.**
MEASUREMENT OF INTRABRONCHIAL PRESSURE IN MAN A65-81632
- WILSON, R. H.**
ROLLER COASTER OPERATION - PLUTONIUM UPTAKE BY ANIMALS EXPOSED TO NONNUCLEAR DETONATION OF PLUTONIUM-BEARING WEAPON SIMULANT UR-665 N65-28325
- WILSON, W. P.**
ELECTROENCEPHALOGRAM OF HUMAN SUBJECTS AS AFFECTED BY ACUTE INCREASE IN INTRACRANIAL PRESSURE A65-82042
- WINBLADE, R. L.**
PILOT COCKPIT DISPLAY DESIGN AND VIEWING SYSTEM AGARD-491 N65-27730
- WINDERS, R. L.**
EFFECT OF DIET ON HEXOSEMONOPHOSPHATE DEHYDROGENASE AND MALIC DEHYDROGENASE IN RATS AAL-TDR-64-13 N65-18974
- EFFECT OF DIET ON RAT EXCRETION OF TRITIUM RADIOACTIVITY FOLLOWING SMALL INJECTED DOSES OF TRITIUM-LABELLED PYRIDOXINE HYDROCHLORIDE AAL-TR-64-29 N65-25344
- WINDSOR, C. R.**
CHEMICAL SYNTHESIS OF PROTEINOIDS - AMINO ACIDS N65-18596
- SIMULTANEOUS SYNTHESIS OF AMINO ACIDS AND PROTEINOID PRODUCTION FOR NUTRITIONAL INVESTIGATION NASA-CR-56268 N65-22180
- WING, J. F.**
MENTAL PERFORMANCE AND TOLERANCE TO THERMAL STRESS DURING VARIOUS EXPOSURE DURATIONS A65-82123
- WINGET, C. M.**
EVALUATING P H CHANGES IN UTERUS OF FEMALE REPRODUCTIVE TRACT DURING CIRCADIAN RHYTHM FOR CORRELATION TO NEURAL AND ENDOCRINE ACTIVITIES NASA-TM-X-51875 N65-33711
- WINITZ, M.**
LIQUID CHEMICAL DIETS PROVIDE ADEQUATE NUTRITION

- AND MINIMAL FECAL ELIMINATION FOR MAN IN SPACE
A65-18812
- WINN, H. E.
SUN-COMPASS ORIENTATION BY PARROT FISHES, SCARUS
GUACAMAIA AND S. LOELESTIUS A65-80815
- WINNICK, W. A.
RIGHT-LEFT RETINAL DIFFERENCES IN TACHISTOSCOPIC
IDENTIFICATION RESOLVED AS DUE TO READING HABIT
A65-80569
- ROLE OF APPARENT SLANT IN SHAPE JUDGMENTS
A65-81341
- WINTER, W. D.
AGE AND SEX DIFFERENCES IN PALMAR SWEAT PRINT
A65-81405
- WINTERFELD, G.
NEGATIVE ATMOSPHERIC ION EFFECT ON MUTATION RATE
IN DROSOPHILA MELANOGASTER A65-80188
- WINTERS, J. J., JR.
GAMMA MOVEMENT- APPARENT MOVEMENT IN
FIGURAL AFTEREFFECTS EXPERIMENTS
A65-80255
- WIRTA, R. W.
CORRELATIONAL STUDY OF MYOPOTENTIAL RESPONSE AND
FORCE OF MUSCLE CONTRACTION DURING VARYING
ACTIVITY DEMANDS
REPT.-2386 N65-25529
- WIRZ, P.
COMPARATIVE SPIRO-ERGOMETRIC INVESTIGATIONS ON
ATHLETES A65-81865
- WISNER, A.
BIOMECHANICAL STUDY OF MAN EXPOSED TO LOW
FREQUENCY VIBRATIONS A65-81364
- WITHEY, D. J.
EMERGENCY BREATHING AND SUIT PRESSURIZATION SYSTEM
FOR CREW USE IN AEROSPACE MEDICAL RESEARCH
LABORATORIES LIFE SUPPORT SYSTEM EVALUATOR
AMRL-TR-64-60 N65-12995
- WITSOE, D.
PULMONARY BLOOD VOLUME CHANGES OVER CARDIAC CYCLE
MEASURED BY OBSERVING CHANGES IN INTRATHORACIC
IMPEDANCES A65-10727
- ELECTRICAL IMPEDANCE PLETHYSMOGRAPH SYSTEM FOR
CARDIAC CYCLE OUTPUT OBSERVATION
N65-16607
- WOJCIESZAK, I.
UNDERWATER SWIMMING AND EFFECT ON RESPIRATION
DURING BREATHHOLDING A65-80745
- WOJTKOWIAK, M.
USE OF PHYSIOLOGICAL TEST FOR HYPOXIA
ACCOMMODATION AND ACCELERATION STRESS TOLERANCE
IN AIRCREW A65-80319
- WOLF, A.
FIELD DEPENDENCE STABILITY AFTER ROTATION OF BODY
AS MEASURED BY ROD AND FRAME TEST
A65-80461
- WOLF, E.
FLICKER FUSION FREQUENCY ACROSS VISUAL FIELD IN
NORMAL INDIVIDUALS IN DIFFERENT AGE RANGES
A65-80402
- SENSITIVITY OF RETINAL BLIND-SPOT REGION TO
STIMULATION BY FLICKER A65-82047
- WOLF, P. I.
ANALOG AND DIGITAL COMPUTER SIMULATION OF
CARDIOVASCULAR AND OTHER PHYSIOLOGICAL SYSTEMS
A65-81357
- WOLFF, D.
POSSIBLE REVERSIBLE CHANGES IN VESTIBULAR
APPARATUS OF CAT FOLLOWING ULTRASONIC IRRADIATION
A65-82290
- WOLIN, B. R.
DECISION-MAKING SUCCESS RELATED TO LEADERSHIP IN
SMALL GROUPS - MATHEMATICAL APPROACH A65-80790
- WOLIN, L. R.
EVOKED RESPONSES FROM EYE AND VISUAL PATHWAYS IN
HYPOTHERMIC CAT MEASURED BY ELECTRORETINOGRAM
A65-80155
- SPONTANEOUS ELECTRICITY OF BRAIN IN HIBERNATORS
/PRAIRIE DOG AND GROUND SQUIRREL/ AND
NONHIBERNATORS /CAT AND GUINEA PIG/ DURING
HYPOTHERMIA A65-81315
- WOLLSCHLAGER, G.
SEROTONIN - ITS PROTECTIVE EFFECT AGAINST WHOLE
BODY IONIZING RADIATION AND ITS TOXIC EFFECT IN
RAT AS COMPARED TO MOUSE A65-81888
- WOLSK, D.
DISTORTION PROCESSES IN COCHLEAR-MICROPHONIC
RESPONSE UNDER NORMAL AND ABNORMAL PHYSIOLOGIC
CONDITIONS A65-81076
- WONG, C. K.
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID A65-82177
- WOOD, W.
INTEGRAL HEAT SINK MATERIAL SPACE SUIT FOR
BODY TEMPERATURE CONTROL
NASA-CR-63399 N65-26418
- WOOD, C. D.
ANTIMOTION SICKNESS DRUGS FROM 1954 TO 1964 NOTING
EFFECTIVENESS AND SIDE EFFECTS A65-16552
- REVIEW OF ANTIMOTION SICKNESS DRUGS, INCLUDING
ANTICHOLINERGICS, ANTIHISTAMINES, TRANQUILIZERS,
AND MISCELLANEOUS GROUP, COVERING 1954-1964
A65-80380
- ANTICHOLINERGICS, ANTIHISTAMINES, AND
TRANQUILIZERS AS EFFECTIVE ANTIMOTION AND MOTION
SICKNESS DRUGS
AD-611394 N65-22889
- EVALUATION OF ANTIMOTION SICKNESS DRUGS IN SLOW
MOTION ROOM MOUNTED ON HUMAN CENTRIFUGE
NASA-CR-63800 N65-28539
- WOOD, E. G.
TRANSVERSE ACCELERATION EFFECTS ON INTRATHORACIC
PRESSURE AND CARDIOPULMONARY FUNCTIONS IN DOGS
WITH REFERENCE TO MANNED SPACE FLIGHT
A65-26531
- WOOD, E. H.
PULMONARY AND FEMORAL ARTERIAL BLOOD OXYGEN
SATURATION DECREASE DUE TO PULMONARY ARTERIAL-
VENOUS SHUNTING IN ANESTHETIZED DOGS SUBJECT TO
FORWARD ACCELERATION A65-29057
- RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING
A65-82220
- PLEURAL PRESSURES AT DORSAL AND VENTRAL SITES IN
THORAX OF ANESTHETIZED DOGS
N65-17306
- BLOOD OXYGEN CHANGES INDUCED BY FORWARD
ACCELERATION
AMRL-TR-64-132 N65-21039
- ROENTGEN VIDEO EQUIPMENT STUDIES OF HEART AND
LUNG DURING POSITIVE ACCELERATION - FLUOROSCOPY
NASA-CR-57958 N65-21324
- DICHROMATIC EARPIECE DENSITOMETRY FOR DETERMINING
CARDIAC OUTPUT - PHYSIOLOGICAL INDEX
AMRL-TR-64-134 N65-21398
- BODY POSITION EFFECT ON END EXPIRATORY PLEURAL
PRESSURES IN DOGS MEASURED AT VENTRAL AND DORSAL
THORACIC REGIONS

- AMRL-TR-64-133 N65-22476
- WOOD, J. W.
DYNA SOAR AND SIMILAR PROGRAMS LIFE SCIENCE REQUIREMENTS, DISCUSSING X-20 COCKPIT DESIGN, PILOT PRESSURE SUITS, MEDICAL MONITORING, PILOT SELECTION AND EVALUATION A65-14228
- EARLY PILOT PARTICIPATION WITH HUMAN ENGINEERING AND MEDICAL PERSONNEL IN DESIGN OF X-20 AIRCRAFT IN DYNA-SOAR PROGRAM A65-80135
- WOOD, P.
PLASMA FREE OLEIC AND PALMITIC ACID LEVELS OF HUMAN SUBJECT DURING FASTING AND EXERCISE A65-82189
- WOOD, R. O., JR.
FUNCTIONAL AND APPEARANCE FIDELITY OF TRAINING DEVICES FOR FIXED PROCEDURES TASKS TR-65-4 N65-30134
- WOODCOCK, A. H.
HEAT ABSORBING CAPABILITIES OF ENVIRONMENT, EXPRESSED AS HEAT LOSS RANGE OVER WHICH MAN CAN ACCOMMODATE HIMSELF THROUGH SKIN TEMPERATURE AND SWEAT RATE A65-28378
- CLOTHING FUNCTION IN ALTERING HEAT LOSS FROM SKIN IN HOT, TEMPERATE, AND COLD CLIMATES A65-80501
- ENVIRONMENTAL INDICES AND THERMOREGULATION IN MAN A65-80905
- THERMAL EXCHANGE BETWEEN NUDE MAN AND HOT ENVIRONMENT DESCRIBED BY THEORETICAL MODEL A65-81227
- WOODHEAD, M. M.
NOISE EFFECT ON PERFORMANCE OF ARITHMETIC TASK A65-80739
- WOODING, H. C.
SUBJECTIVE ESTIMATION AND HAND MOTION RESPONSE MEASUREMENT DURING RESTRAINT AND EXPOSURE TO VIBRATIONS WITH VARYING PEAK AND ROOT MEAN SQUARE ACCELERATIONS AND FREQUENCIES A65-82368
- WOODSON, B. R.
FLUORIDE EFFECT ON GROWTH AND METABOLISM OF ALGAE, CHLORELLA PYRENOIDOSA A65-80618
- WOODSON, W. E.
HUMAN ENGINEERING GUIDE FOR EQUIPMENT DESIGNERS A65-81170
- WOODWELL, G. M.
RADIATION EFFECTS ON PATTERNS OF NATURE BNL-924/T-381/ N65-34107
- WOOLF, C. R.
RELATIONSHIP BETWEEN MINUTE VENTILATION, PULMONARY GAS DIFFUSION AND RESPIRATORY WORK MEASURED SIMULTANEOUSLY DURING STANDARD EXERCISE TEST A65-81413
- WOOLLEY, D. E.
PREPYRIFORM ELECTRICAL ACTIVITY OF CEREBRAL CORTEX IN RAT DURING EXPOSURE TO HIGH ALTITUDE A65-81495
- WOLF, D. L.
FOOD FOR NUCLEAR SHIELDING, THERMAL PROTECTION, STRUCTURES, CONTAINERS, FIBERS, CLOTHING, AND BALLAST N65-18600
- WORKMAN, J. M.
GAS EXCHANGE IN DOG LUNG AS INFLUENCED BY TRANSPULMONARY PRESSURE ANALYZED IN TERMS OF MODEL A65-81893
- WORTH, G. L.
MULTISTAGE CRYOGENIC TRAPPING SYSTEM FOR TRACE CONTAMINANT STUDIES IN SPACE CABIN ATMOSPHERES A65-81971
- WORTHINGTON, A. G.
GUESSING HABITS AS FUNCTION OF SUBLIMINAL STIMULATION A65-81359
- WORTZ, E. C.
GAS TIGHT ONE-PIECE SUIT WITH PORTABLE LIFE SUPPORT SYSTEM DESIGNED TO PROTECT PERSONNEL AGAINST TOXICITY OF PROPELLANTS A65-11400
- METABOLIC RATE OF SUBJECTS WEARING PRESSURIZED SUITS EXERCISING IN HIGH ALTITUDE CHAMBER A65-81965
- PURSUIT AND COMPENSATORY TRACKING PERFORMANCE WHILE VARYING TASK MODE, CONTROL-DISPLAY DISPLACEMENT FUNCTION, AND TARGET VELOCITY A65-82361
- WRIGHT, A. D.
RADAR TARGET DETECTION AS FUNCTION OF SEARCH AREA AND VIEWING DISTANCE A65-81885
- RADAR TARGET DETECTION BY TRAINED AND UNTRAINED OPERATORS AD-455767 N65-16422
- WRIGHT, H. A.
APPLICATION OF GENERALIZED CONCEPT OF DOSIMETRY TO SPACE RADIATION - HIGH ENERGY PROTONS N65-34607
- WRIGHT, H. M.
RELATIONSHIP BETWEEN FOUR METHODS OF STUDYING CUTANEOUS BLOOD CIRCULATION A65-81633
- WRIGHT, N. A.
PERCEPTUAL DEPRIVATION TOLERANCE AND ADEQUACY OF DEFENSES ON RORSCHACH PROTOCOL A65-80562
- WRIGHT, R. A.
AVIAN EMBRYO THROUGH HATCHING AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE AT ONE ATMOSPHERE AND IN SEALED SYSTEM A65-19838
- METABOLIC RATE RESPIRATORY ACTIVITY AND X-RAY SENSITIVITY OF CHICK EMBRYOS INCUBATED IN AIR OR HELIUM-OXYGEN ATMOSPHERE A65-22902
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE A65-80724
- GROWTH RATE, FOOD INTAKE, RESPIRATORY RATE, ERYTHROCYTE, HEMOGLOBIN, AND HEMATOCRIT LEVELS, AND HISTOLOGICAL CHANGES OF YOUNG CHICKENS BREATHING NEARLY PURE OXYGEN A65-82154
- BIOLOGICAL EFFECT OF PROLONGED EXPOSURE OF MAN AND SMALL ANIMALS TO PURE OXYGEN AND HELIUM - OXYGEN ENVIRONMENT NASA-CR-57477 N65-19871
- EMBRYO DEVELOPMENT AND CHICK GROWTH IN HELIUM-OXYGEN ATMOSPHERE NASA-CR-56876 N65-22195
- WRIGHT, R. H.
EFFECT OF TRAINING ON ACCURACY OF ANGLE ESTIMATION AND FEASIBILITY OF USING DIRECT PERCEPTUAL ESTIMATION TO DETERMINE ANGLES OF DRIFT TR-65-8 N65-34684
- WU, T.-L.
CARDIAC OUTPUT AND STROKE VOLUME OF EXERCISING HUMAN SUBJECTS AS AFFECTED BY ISOPROTERENOL A65-82250
- WUNDER, C. C.
CHRONIC WEIGHTLESSNESS SIMULATION IN BIOLOGICAL RESEARCH, PREDICTING EFFECTS ON MAN FROM VARIOUS TYPES OF SIMULATION A65-30059
- WUNSCH, O.
EFFECTS OF INCREASING PRESSURE OF VARYING DURATION ON RATS ISL-2/64 N65-19833
- WURSTER, R. D.
SUDDOMOTOR AND VASOMOTOR RESPONSES TO CHANGING ENVIRONMENTAL TEMPERATURE A65-81133

- WURTZ, A. G.
CULTURING OF ALGAE - PROBLEMS OF GROWTH AND
CULTURE TECHNIQUE A65-80376
- WURTZ, R. H.
STEADY POTENTIAL SHIFTS IN CAT DURING AROUSAL AND
DEEP SLEEP A65-81534
- MUSCHECH, H.
FREE FATTY ACID LEVELS IN PLASMA IN ATHLETES AFTER
EXTREME PHYSICAL STRESS A65-80186
- WYKE, M.
COMPARATIVE ANALYSIS OF PROPRIOCEPTION IN LEFT
AND RIGHT ARMS A65-81409
- COMPARISON OF SPATIAL DISCRIMINATION IN TEMPORAL
AND NASAL SECTORS OF MONOCULAR VISUAL FIELD
A65-81646
- WYNDHAM, C. H.
BODY TEMPERATURE, HEART RATE AND SWEATING RATE IN
RESPONSE TO HEAT STRESS IN ARABS AND CAUCASIANS
A65-80067
- HEART RATE, BODY TEMPERATURE, AND SWEAT RATE
RESPONSES TO HEAT OF AUSTRALIAN ABORIGINES AND
CAUCASIANS A65-80068
- SKIN AND CORE TEMPERATURES CHANGES
RELATED TO THERMOREGULATION IN MAN A65-80273
- NEW PHYSIOLOGICAL CRITERIA FOR SETTING LIMITS FOR
MEN AT WORK IN HOT CONDITIONS A65-80274
- ORAL/RECTAL TEMPERATURE DIFFERENCES DURING WORK
AND HEAT STRESS A65-80478
- REACTIONS OF VARIOUS ETHNIC GROUPS WITH DIFFERENT
ANTHROPOMETRIC CHARACTERISTICS TO PHYSICAL
EXERCISE IN TEMPERATE AND TROPIC ENVIRONMENTS
A65-80901
- THERMAL COMFORT STANDARDS AND PERFORMANCE RELATED
TO CLIMATE A65-80902
- PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES OF MALE
AND FEMALE CAUCASIANS WORKING IN HOT ENVIRONMENT
A65-81132
- WYSS, V.
RADIANT HEATING OF BODY IN ACCLIMATIZED AND
UNACCLIMATIZED SUBJECTS - SWEATING AND SKIN
TEMPERATURE IN BODY REGIONS HEATED BY INFRARED
A65-81692
- Y**
- YAHINI, J. H.
ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT
INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL
EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION
A65-80662
- YAKIMCHUK, K. V.
POSSIBLE MECHANISM OF ELECTRICAL ASSYMETRY OF
TISSUES JPRS-30634 N65-26128
- YAKOBI, V. YA.
ORIENTATION AND NAVIGATION MECHANISMS IN ANIMALS
UNDER VARYING ENVIRONMENTAL CONDITIONS - BIONIC
STUDIES JPRS-29757 N65-22113
- YAKOBSON, YA. S.
TRANSDUCERS FOR ELECTRICAL MEASUREMENT OF
MECHANICAL QUANTITIES IN PHYSIOLOGICAL
INVESTIGATIONS FTD-TT-63-1192/164 N65-10284
- YAKUBCHIK, B. I.
INDIVIDUAL DIFFERENCES IN ACROBATIC ACTIVITY -
CONSIDERATIONS IN TEACHING AND TRAINING
EXERCISES JPRS-28276 N65-14710
- YAKUT, M. M.
MANNED SPACE CABIN SIMULATOR FOR TESTS TO EVALUATE
ADVANCED LIFE SUPPORT SYSTEMS OPERATION AND
MAINTENANCE AIAA PAPER 65-502 A65-30218
- YAM, K.-M.
EFFECT OF X-IRRADIATION ON COENZYME A LEVELS IN
LIVERS OF MICE N65-19212
- YAMAGATA, M.
UTRICULAR FUNCTION STUDIED EXPERIMENTALLY
IN RABBITS BY INDUCING ACTION POTENTIAL OF
UTRICULAR NERVE WITH LINEAR ACCELERATION A65-80334
- YAMAMOTO, K.
PHYSIOLOGICAL EFFECTS OF DRUGS ON NERVOUS SYSTEM
OF ANIMALS - NEUROPHYSIOLOGY JPRS-28419 N65-15045
- YANDA, R. L.
LUNG VOLUME CHANGES OF EMPHYSEMA PATIENTS UPON
EXPOSURE TO SIMULATED ALTITUDE OF 18,000 FT
A65-14237
- YANG, T.-C.
HUMAN EFFICIENCIES COMPARISON IN USE OF VERBAL
AND MOTOR REACTIONS TO VARIOUS CODED SIGNALS
A65-18333
- YAO, M.-J.
EFFECT OF IONIZED RADIATION ON ROTARY RESONANCE
WAVE SPECTRA OF ELECTRONS - RADIATIVE PROTECTIVE
MECHANISM OF CYSTEINE N65-32652
- YAP, S.-L.
ENZYME ACTIVITY IN RAT BRAIN AFTER ANOXIC ISCHEMIA
A65-82052
- YARMONENKO, S. P.
CHEMICAL ANTIRADIATION PROTECTION AND HYGIENIC
STANDARDIZATION OF IONIZING RADIATION N65-10125
- RADIATION REACTIONS AND CHEMICAL PROTECTION OF
ANIMALS EXPOSED TO HIGH ENERGY PROTONS N65-13781
- CHEMICAL COMPOUNDS FOR RADIATION SICKNESS
PROTECTION OF MAN JPRS-31349 N65-29879
- YARULLIN, KH. KH.
CHANGES IN TEMPORAL AND ORBITAL CIRCULATION IN
PATIENTS WITH LESIONS OF CAROTID AND VERTEBRAL
ARTERIES OF HEAD - PLETHYSMOGRAM AND
RHEOENCEPHALOGRAPH DATA NASA-TT-F-295 N65-16593
- YASKEVICH, G. P.
MELTING POINT CURVES FOR DETERMINING EFFECTS OF
IONIZING RADIATION ON SYSTEMS OF HYDROGEN BONDS
IN DNA MACROMOLECULE N65-26379
- YATES, A. J.
DELAYED AUDITORY FEEDBACK EFFECT ON MORSE CODE
TRANSMISSION BY SKILLED OPERATORS A65-81167
- SUSCEPTIBILITY TO DELAYED AUDITORY FEEDBACK WHILE
SHADOWING MESSAGES A65-81408
- YATES, R. F.
ACOUSTICAL IMPEDANCE OF HUMAN EAR AND NEW
ARTIFICIAL EAR WITH NEW RECORDING DEVICE A65-80743
- YAZDOVSKIY, V. D.
ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403
- YAZDOVSKIY, V. I.
BIOLOGICAL TELEMETRY SENSOR FOR PHYSIOLOGICAL AND
HYGIENIC PARAMETER RECORDING DURING U.S.S.R.
SPACEFLIGHTS N65-12733
- EFFECTS OF PROLONGED WEIGHTLESSNESS ON ASTRONAUT

- CENTRAL NERVOUS SYSTEM IN VOSTOK III AND VOSTOK IV SPACECRAFTS N65-13627
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- SENSORIMOTOR COORDINATION IN EXTENDED WEIGHTLESSNESS IN ACTUAL SPACE FLIGHT N65-13780
- EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT N65-14528
- PHYSIOLOGICAL EFFECTS OF SPACE ON ANIMALS, PLANTS, MICROORGANISMS AND BIOLOGICAL SUBSTRATES DURING SUBORBITAL AND ORBITAL FLIGHT NASA-TT-F-305 N65-17465
- PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT FTD-MT-64-360 N65-28642
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- YEGOROV, A. D.
EMOTIONAL STRESS OF COSMONAUTS DURING SPACE FLIGHT N65-14528
- DIURNAL RHYTHM OF CARDIOVASCULAR FUNCTIONS DURING SPACE FLIGHT N65-26919
- INVESTIGATIVE AND CONTROL SYSTEMS FOR DATA PROCESSING IN SPACE BIOLOGY NASA-TT-F-9514 N65-29740
- YEGOROV, B. B.
BIOELECTRIC ACTIVITY OF DIFFERENT PARTS OF BRAIN DURING PROLONGED ACCELERATIONS IN SPACE FLIGHT N65-13661
- INSTRUMENTAL METHODS OF INVESTIGATION AND OBSERVATIONS OF SPACECREW DURING EARTH ORBIT JPRS-29521 N65-20834
- YEGOROV, V. A.
CHANGES IN CAPACITY OF CENTRAL NERVOUS SYSTEM FOR ACQUIRING SKILLS DURING PILOT TRAINING N65-13679
- YELOVSKAYA, L. T.
RADIATION HAZARDS IN HANDLING CRUDE STOCKS AND RAW MATERIALS CONTAINING RADIOACTIVE MATERIAL N65-10123
- YEMELYANOV, M. D.
PHYSIOLOGICAL TELEMETRY DATA OF EYE ACTIVITY DURING ORBITAL SPACE FLIGHT N65-26920
- ACCELERATION EFFECTS ON CARDIOVASCULAR SYSTEM AND RETINAL BLOOD SUPPLY FOR HUMAN TOLERANCE STUDIES NASA-TT-F-9594 N65-36753
- YENSEN, R.
ACTIVITY IN PASSIVE ARM INFLUENCING MOTOR OVERFLOW FROM ACTIVE ARM A65-81575
- YEREMIN, A. V.
EFFICIENCY OF OXYGEN SUPPLY SYSTEM, IN CONTROLLING RESPIRATION AT EXCESS PRESSURE N65-13680
- INCREASING STABILITY OF HUMAN UNDER WEIGHTLESSNESS THROUGH PHYSICAL TRAINING N65-25602
- HUMAN CAPACITY FOR WORK IN STATE OF WEIGHTLESSNESS JPRS-30849 N65-27032
- HUMAN WORK CAPACITY DURING PERIODS OF PROLONGED WEIGHTLESSNESS JPRS-31665 N65-31715
- YEROKHIN, V. P.
INFLUENCE OF AGE-ASSOCIATED CHANGES IN OLDER PILOTS DURING RELEARNING OF AVIATION TECHNOLOGY
- AND DURING PERFORMANCE N65-13772
- YESIPENKO, B. YE.
URINE SECRETION FUNCTION OF KIDNEYS UNDER HIGH MOUNTAIN CONDITIONS N65-17823
- YEVDOKIMOV, I. R.
ULTRA-ACOUSTIC PARAMETERS OF BLOOD IN HEALTHY ANIMALS AND ANIMALS WITH RADIATION SICKNESS N65-28704
- YEVICH, P.
CONTINUOUS HIGH OXYGEN CONCENTRATION INHALATION EFFECTS AT STANDARD TEMPERATURE AND PRESSURE ON VARIOUS ANIMALS A65-18431
- TOXIC SIGNS AND MORPHOLOGIC CHANGES IN ORGANS AND TISSUES OF MICE, RATS, GUINEA PIGS, DOGS, AND MONKEYS BREATHING RELATIVELY PURE OXYGEN A65-80581
- YEVSEYEV, N. K.
RADIATION PROTECTING ACTION OF CYANOGEN COMPOUNDS NASA-TT-F-9259 N65-18337
- YEVSTAFYEV, B.
PHYSICAL TRAINING TO MEET STRESSES IN FLIGHT N65-25601
- YEZEPCHUK, N. I.
CHANGES IN RESPIRATORY AND CARDIOVASCULAR FUNCTIONS AFTER PROLONGED EXPOSURE TO LOW BAROMETRIC PRESSURE N65-13723
- YINNIKOV, YA. A.
ELECTRON MICROSCOPE STUDY OF PIGEON UTRICLE N65-35152
- YLLNER, S.
HISTOLOGICAL CHANGES IN LIVER OF MICE INHALING TRICHLOROETHYLENE AND TETRACHLOROETHYLENE A65-82299
- YOFFEY, J. M.
THORACIC DUCT LYMPH AND LYMPHOCYTES DURING PRIMARY HYPOXIA AND REBOUND A65-81171
- YOJI ESASHI
EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA A65-80939
- YOKAYAMA, K.
LEAF MOVEMENT RECORDING SYSTEM USING STRAIN GAUGE FOR TESTING LIGHT-DARK CYCLE EFFECTS IN CONNECTION WITH PHYSICAL LIMITATIONS OF ORBITING CAPSULE A65-33948
- YOKOSE, Z.
BODY FILT COGNITION AS FUNCTION OF MUSCULAR TENSION AND VISUAL CUES AT VARIOUS LUMINOSITY IN CLOSED CABIN A65-18841
- SENSORY PERCEPTION AND SPATIAL ORIENTATION CONCERNING BODY POSTURE IN SEALED CABIN A65-80553
- YON, E.
RADIO TRANSDUCERS AND IMPLANT TECHNIQUES FOR RECORDING BIOELECTRICAL DATA, FORCE AND DISPLACEMENT A65-10546
- YOSHIE, N.
COMPARISON OF TWO METHODS FOR MEASURING AUDITORY ADAPTATION BY MEANS OF BEKESY AUDIOMETER A65-80199
- ABNORMAL AUDITORY ADAPTATION WITH USE OF AMPLITUDE MODULATED TONES A65-80914
- YOSHIMARU ODA
EFFECT OF LIGHT INTENSITY AND VARIOUS CHEMICAL COMPOUNDS ON FLOWERING OF LEMNA PERPUSILLA A65-80939
- YOSHINOBU, T.
ANATOMY AND HISTOLOGY OF COCHLEAS IN MAMMALS NASA-CR-67573 N65-36594

- YODALE, T.
NICOTINAMIDE EFFECT ON X-RAY IRRADIATED
SUSPENSION CULTURES OF RAT BONE MARROW CELLS
EUR-2415.E N65-32144
- YOUNG, D. R.
CARBOHYDRATES EFFECTS ON HUMAN BODY UNDER STRESS
AND FATIGUE - NUTRITION N65-18595
- YOUNG, J. M.
EFFECT OF OSCILLATING AND STEADY ALVEOLAR PARTIAL
PRESSURE OF OXYGEN AND CARBON DIOXIDE ON PULMONARY
VENTILATION A65-82074
- YOUNG, L. R.
CONTROL CHARACTERISTICS OF HUMAN OPERATOR IN
CONTROL SITUATIONS LIMITED TO USE OF VISUAL
VESTIBULAR SENSING OF MOTION A65-22032
MAN AS ADAPTIVE CONTROLLER IN HIGH PERFORMANCE
VEHICLES COVERING GENERAL CONTROL PATTERNS AND
CHARACTERISTICS AND COUPLED MULTILoop SYSTEMS AND
LIMITS A65-34986
BIOCONTROL SYSTEMS - MATHEMATICAL MODELS FOR
HUMAN MANUAL CONTROL SYSTEM THROUGH COMPUTER
SIMULATION AND SERVOANALYSIS N65-19261
NASA-CR-190
HUMAN DYNAMIC SPACE ORIENTATION USING CONTROL
THEORY TECHNIQUES - HUMAN ENGINEERING N65-19689
NASA-CR-57292
NEUROPHYSIOLOGICAL ASPECTS OF EYE MOVEMENT IN
VISUAL CONTROL SYSTEM WITH DIFFERENTIATION OF
VERSION AND VERGENCE N65-25300
NASA-CR-238
- YOUNG, R. J.
THIOL PRETREATMENT AND BONE MARROW TRANSPLANT
EFFECT IN REDUCING TOXICITY OF ACUTE LETHAL
DOSES OF IONIZING RADIATION IN MONKEYS N65-18387
- YOUNG, R. S.
ATMOSPHERES CAPABLE OF PRODUCING ORGANIC COMPOUNDS
DISCUSSED, STUDYING ABIOTIC SYNTHESIS IN MARS
SIMULATOR A65-30683
MORPHOLOGY AND CHEMISTRY OF MICROSPHERES DERIVED
FROM PROTEINOID A65-80485
MARS ENVIRONMENTAL FACTORS SUGGESTING BIOLOGICAL
POSSIBILITIES AND LIFE DETECTION EQUIPMENT TO
PREVENT CONTAMINATION A65-82218
ANALYSIS OF EXTRATERRESTRIAL LIFE DETECTION
PROBLEM N65-34227
NASA-SP-75
- YOUNG, S.
REACTION TIME AS FUNCTION OF LUMINANCE, EXPOSURE
DURATION AND TASK COMPLEXITY A65-81042
VISUAL PATTERN DISCRIMINATION AS FUNCTION OF
SPATIAL DISTANCE CHARACTERISTICS AND EXPOSURE
DURATION A65-81166
CHOICE REACTION TIMES AND THRESHOLDS OF VISUAL
PATTERNS AS FUNCTION OF EXPOSURE DURATION A65-81169
- YOUNG, W.
MAGNETIC FIELD EFFECT ON VAGAL INHIBITION OF
ISOLATED FROG HEART AND CATALYTIC ENZYME
ACTIVITY OF ACETYLCHOLINE N65-19461
UCRL-12389
- YOUNG, W. A.
CARBON DIOXIDE AND WHOLE-BODY VIBRATION EFFECTS ON
VENTILATION A65-81896
- YUDIN, YE. V.
BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA
TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT
FACTORS N65-13682
SPACE FLIGHT GENETIC DANGERS AND RADIATION
PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES
- YUGANOV, YE. M.
EFFECTS OF ACCELERATION AND WEIGHTLESSNESS ON
FUNCTIONS OF HUMAN BODY DURING SPACE FLIGHT
NASA-TT-F-275 N65-10641
REACTIONS OF WEIGHTLESSNESS ON MOTOR SYSTEM OF
HUMANS DURING SPACE FLIGHT N65-10989
JPRS-27591
PHYSIOLOGICAL REACTIONS IN WEIGHTLESSNESS N65-13777
EFFECT OF AIRCRAFT NOISE ON MAN AND NOISE CONTROL
MEASURES N65-13778
METHODS OF SELECTING PERSONNEL BY VESTIBULAR
TESTS N65-13779
EFFECTS OF GRAVITATION IN FORMATION OF FUNCTION
OF ORGANISM N65-15679
SENSORY AND VESTIBULAR EFFECTS OF SHORT TERM
WEIGHTLESSNESS ON MAN AND VESTIBULAR ANALYZER
SENSITIVITY N65-17194
FTD-TT-64-1052/1&2&4
PHYSIOLOGICAL RESPONSE OF ANIMALS TO SPACE FLIGHT
FTD-MT-64-360 N65-28642
HIGH FREQUENCY NOISE EFFECTS ON AUDITORY ANALYSER
OF HUMAN TO DETERMINE THRESHOLD VALUE FOR
LIFE-SUPPORT NOISE IN MANNED SPACECRAFT N65-36755
NASA-TT-F-9596
- YUILE, C. L.
RENAL INJURY AND SURVIVAL OF RAT, RABBIT, AND DOG
GIVEN VARIOUS DOSES OF POTASSIUM NIOBATE AND
NIOBIUM PENTACHLORIDE WITH AND WITHOUT ASCORBIC
ACID A65-82177
- YUNUSOV, A. Y.
WATER-SALT METABOLISM OF DOGS IN HOT CLIMATE IN
RELATION TO FEEDING A65-80976
- YUREVICH, P.
ANABiotic LIFE PROCESSES APPLIED TO EXTENDED SPACE
FLIGHTS N65-11264
JPRS-27540
- YURINA, YE. V.
MASS CULTIVATION OF BACTERIA - ASTEROMONAS
GRACILIS ARTARI N65-28134
JPRS-30995
- YUROV, B. N.
PHYSIOLOGICAL EFFECTS OF WEIGHTLESSNESS IN
PARABOLIC FLIGHT N65-26918
- YUSEVICH, YU. S.
ELECTROMYOGRAPHY - METHOD FOR STUDYING NORMAL AND
PATHOLOGICAL FUNCTIONAL STATES OF
NEUROPHYSIOLOGY N65-16729
- Z**
- ZACHARY, G.
RELATIONSHIP OF ELECTROENCEPHALOGRAM BACKGROUND
RHYTHMS TO PHOTIC EVOKED RESPONSES IN MAN A65-82277
- ZAFFIRI, O.
HYPOTHERMIA IN TREATMENT OF ACUTE CARBON
MONOXIDE POISONING A65-80290
- ZAGREBELNYY, S. N.
TRANSFORMATION OF AMINO-ACYL-S- RNA INTO
DIPEPTIDYL-S- RNA BY MEANS OF WATER SOLUBLE
CARBODIIMIDE N65-27724
NASA-TT-F-9448
- ZAGRYADSKIY, V. N.
EFFECT OF PROLONGED EXPOSURE TO ATMOSPHERE
WITH LOW CARBON DIOXIDE CONCENTRATIONS ON HUMAN
BEINGS AND ANIMALS N65-13684
- ZAGRYADSKIY, V. P.
OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF

ZAHARKO, D. S.

PERSONAL AUTHOR INDEX

ELEVATED CARBON DIOXIDE CONCENTRATIONS IN
RABBITS N65-17807

ZAHARKO, D. S.
KETONE BODY AND FREE FATTY ACID LEVELS IN BLOOD
PLASMA DURING EARLY PERIOD OF STARVATION IN MAN
A65-82249

ZAHAVI, I.
ELECTROCARDIOGRAPHIC CHANGES IN PERMANENT
INHABITANTS OF HOT AREAS DURING DAILY PHYSICAL
EXERCISE UNDER DIFFERENT CONDITIONS OF HYDRATION
A65-80662

ZAIKO, N. S.
PROLONGED INHALATION OF OXYGEN AND EFFECT ON HUMAN
TASTE SENSATION AND RELATION TO HIGH ALTITUDE
FLYING A65-80396

ZAITZEFF, L.
FOVEAL AND PARAFOVEAL STIMULI EFFECT IN ELICITING
FUSION MOVEMENTS IN LIGHT ADAPTED EYES
A65-80509

ZAK, E. G.
FORMATION OF INTERMEDIARY COMPOUNDS OF AMINO ACIDS
DURING PHOTOSYNTHESIS IN CHLORELLA PYRENOIDOSA
A65-80597

ZAK, V. I.
SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO
CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC
FIELD A65-80801

ZAKHAROV, I. A.
WATER SUSPENSION OF CHLORELLA VULGARIS CULTURE
IRRADIATED FOR DETERMINING RADIOSENSITIVITY
OF CELLS TO VARYING X-RAY DOSES
N65-26388

ZAKHARYAN, A. B.
DURATION OF CLINICAL DEATH AND HYPOXIA
N65-17804

CHANGES IN ERYTHROCYTE COUNT, PULSE RATE, AND
BLOOD PRESSURE ON ASCENT TO HIGHER ALTITUDE
AFTER PRIOR ACCLIMATIZATION TO HIGH ALTITUDES
N65-17829

ZAKRZHEVSKIY, YE. B.
CLINICAL ASPECTS OF MEDICAL PROGRAM FOR
INTERPLANETARY FLIGHT WITH PHYSICIAN IN
SPACECREW N65-23423

ZALOSH, S.
AFTEREFFECTS OF DELAYED AUDITORY FEEDBACK ON
SPEECH. A65-81566

ZANNINI, D.
TREATMENT OF ACUTE CARBON MONOXIDE POISONING WITH
PURE OXYGEN IN PRESSURE CHAMBER
A65-80282

ZANOZDRA, N. S.
HYPOXIA AND ATHEROSCLEROTIC HEART DAMAGE
N65-17792

ZARET, M. M.
ANALYSIS OF FACTORS OF LASER RADIATION PRODUCING
RETINAL DAMAGE BY THERMAL INJURY
A65-81094

SPECTROPHOTOMETRY TO DETECT CATARACTS IN HUMAN EYE
CAUSED BY MICROWAVE RADIATION
RADC-TDR-64-273 N65-14007

ZARUBA, K.
PHYSICAL EXERCISE AND RENAL FUNCTION - POSSIBLE
INJURY TO KIDNEY AFTER SEVERE, PROLONGED EXERCISE
A65-80352

ZASLAVSKIY, S. YA.
ARTIFICIAL INTELLIGENCE AND MODELING OF HUMAN
MENTAL PROCESS AND LEARNING SYSTEM
JPRS-30156 N65-24231

CONSTRUCTION OF MODEL FOR GENESIS AND ANALYSIS
OF SENTENCES INCLUDING HUMAN EMOTIONAL AND
MEMORY CHARACTERISTICS N65-29351

ZATSIORSKIY, V. M.
CYBERNETICS FOR CONTROL OF PHYSICAL TRAINING
JPRS-30754 N65-26966

ZATZICK, M. R.
NUCLEAR BIOMEDICINE SEMICONDUCTOR DETECTORS FOR
RADIOISOTOPE DETECTION IN IN-VIVO AND UPTAKE
STUDIES A65-16780

ZAVALOVA, N. D.
PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF INSTRUMENT
FLYING N65-13673

ZAVIALOV, E. S.
HUMAN ENGINEERING ASPECTS OF ASTRONAUTICS AND SOME
EXPERIMENTAL RESULTS A65-80438

ZAVODOVSKAYA, E. M.
BIBLIOGRAPHIC INDEX TO LITERATURE ON AEROSPACE
MEDICINE AND BIOASTRONAUTICS PUBLISHED IN
U.S.S.R., 1962-1964
NASA-TT-F-270 N65-22968

ZAVYALOV, YE. S.
ENGINEERING PSYCHOLOGY, COSMONAUT TRAINING, AND
PHYSIOLOGICAL RECORDING OF OPERATOR FUNCTIONS
N65-16403

ZAWISTOWSKI, F.
PILOT OXYGEN MASK WITH TACTILE TRANSDUCER
PROVIDING WARNING SIGNALS FROM WIRELESS
COMMUNICATION SYSTEM A65-11394

ZAZYKIN, K. P.
TELEMETRIC DEVICES FOR STUDY AND CONTROL OF
PHYSIOLOGICAL FUNCTIONS OF SUBJECTS DURING SOVIET
SPACE MISSIONS A65-80333

PHYSIOLOGICAL MEASUREMENT SYSTEM ON VOSTOK V
AND VOSTOK V I SPACECRAFT N65-12734

ZBORAY, G.
LIGHT EFFECT ON PINEAL GLAND, SUBCOMMISSURAL ORGAN
AND GLOMERULAR ZONE OF ADRENALS OF WHITE RAT
A65-81592

ZECHMAN, F. W., JR.
RESPIRATORY MECHANICS AND DIAPHRAGM
ELECTROMYOGRAMS OF ANESTHETIZED DOG IN STUDY OF
RESPONSES TO THREE LEVELS OF AIRFLOW RESISTANCE
TO INSPIRATION A65-80315

VERTICAL SINUSOIDAL VIBRATION - EFFECT ON
RESPIRATORY AIRFLOW AND TRANSPULMONARY PRESSURE
A65-81897

ZEE, D.
METABOLISM AND PROTECTION BY ANESTHESIA AGAINST
TOXICITY OF OXYGEN AT HIGH PRESSURE
A65-81149

ZEFF, C.
COMPARISON OF CONVENTIONAL AND DIGITAL TIME
DISPLAYS A65-82006

ZEIGLER, B. P.
HUMAN OPERATOR ROLE IN PERFORMING INFORMATION
PROCESSING TASK AT CONSOLE, EXAMINING HUMAN AND/OR
CONSOLE MEMORY A65-35478

ZEITLER, E.
FOCUSED AND UNFOCUSED CRYSTAL LASER RADIATION
EFFECTS ON CENTRAL NERVOUS SYSTEM OF RODENTS AND
PRIMATE A65-81099

ZEITLER, E. H.
ANATOMIC AND HISTOCHEMICAL CHANGES IN SKIN AFTER
LASER IRRADIATION IN PIGS A65-81096

ZELKIND, I.
TIME PERSPECTIVE - TIME PERCEPTION RELATIONSHIP
A65-81856

ZELLER, A. F.
SURVIVAL PROBLEMS FOLLOWING AIRCRAFT ACCIDENTS
N65-29758

ZEMESHEVA, L. M.
VECTOR ANALYSIS OF ELECTROCARDIOGRAM DATA TO

- DETECT CHANGES IN HUMAN MYOCARDIUM BIOELECTRIC ACTIVITY DUE TO HYPOXIA N65-13629 A65-91624
- ZEMSKOV, V. M.
SITES OF S-REACTIVE PROTEIN FORMATION FOLLOWING GAMMA RADIATION EXPOSURE IN RABBITS A65-82240
- ZENINA, I. N.
SENSITIVITY OF RABBIT CENTRAL NERVOUS SYSTEM TO CONTINUOUS ULTRAHIGH-FREQUENCY ELECTROMAGNETIC FIELD A65-80801
- ZERBY, C. D.
MONTE CARLO COMPUTER PROGRAM FOR CALCULATION OF ENERGY DEPOSITION FROM HIGH INCIDENT NUCLEONS AS FUNCTION OF TISSUE SLAB DEPTH NASA-CR-63754 N65-27877
CALCULATED TISSUE CURRENT-TO-DOSE CONVERSION FACTORS FOR NUCLEONS BELOW 400 ME V ENERGY N65-34596
- ZHALKO-TITARENKO, V. P.
VIABILITY OF DIPHTHERIA BACTERIA IN WATER AND SALIVA - EFFECTS OF EVAPORATION, PARTICLE SIZE, AND TEMPERATURE JPRS-29840 N65-22121
SURVIVAL TIME OF DIPHTHERIA BACTERIA IN AEROSOLS JPRS-30503 N65-26034
- ZHAROV, S. G.
EFFECT OF HIGH CARBON DIOXIDE CONCENTRATIONS ON MAN SUBJECTED TO VARYING SPACE ENVIRONMENTS FOR PROLONGED PERIODS N65-13681
- ZHDANOV, V. K.
HUMAN RETINA POTENTIALS INDUCED BY ELECTRIC CURRENT A65-80748
- ZHELUDKOVA, T. N.
OXYGEN USED IN REDUCTION OF ADVERSE EFFECTS OF ELEVATED CARBON DIOXIDE CONCENTRATIONS IN RABBITS N65-17807
- ZHEREBCHENKO, P. G.
INFLUENCE OF INDOLYLALKYLAMINES AND OTHER COMPOUNDS ON ABILITY OF MICE TO TOLERATE LOW BAROMETRIC PRESSURE IN PRESSURE CHAMBER A65-81266
BLOOD CIRCULATION IN MICE AND RATS TRACED FOR DETERMINING INFLUENCE OF ANTIRADIATION DRUGS ON DISTRIBUTION OF NEUTRAL RED AND HEMOGLOBIN IN ORGANS N65-26390
- ZHINKIN, I. L.
ENZYMATIC ACTIVITY OF SUCCINIC OXYDASE IN MITOCHONDRIA IN NEURONS OF AUDITORY AND VISUAL CORTEX AND CEREBELLUM A65-80812
- ZHIRONKIN, A. G.
ANIMAL RESISTANCE TO TOXICITY OF EXCESS OXYGEN BY ACCLIMATIZATION TO HYPOXIA N65-17806
- ZHUK, YE. A.
ELECTROCARDIOGRAPHIC AND MORPHOLOGICAL CHARACTERISTICS OF CARDIAC INSUFFICIENCY DURING ACTION OF HYDRAZINE DERIVATIVES N65-17747
- ZHUKOV-VEREZHNIKOV, N. N.
VOSTOK III AND IV SPACE FLIGHT RADIATION EXPOSURE EFFECT ON PHAGOPRODUCTION OF E. COLI K-12 /LAMBDA/ SUSPENSIONS A65-35818
BIOLOGICAL EFFECTS OF VOSTOK V AND VI SPACE FLIGHT EXPOSURES MEASURED BY RATIO OF INDUCED AND SPONTANEOUS PHAGOPRODUCTION IN EXPOSED LYSOGENIC BACTERIA A65-35819
STUDIES OF PHAGE PRODUCTION IN ESCHERICHIA COLI INDUCED DURING SPACE FLIGHT OF VOSTOK-3 AND VOSTOK-4 A65-81620
STUDIES OF BIOLOGICAL ACTION OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA IN EXPERIMENTS IN SOVIET SPACECRAFT VOSTOK-5 AND VOSTOK-6
- MICROBIOLOGICAL AND CYTOLOGICAL DATA FROM VOSTOK TYPE SPACECRAFT NASA-TT-F-281 N65-12219
- BIOLOGICAL EXPERIMENTS WITH LYSOGENIC BACTERIA TO DETERMINE GENETIC EFFECTS OF SPACE FLIGHT FACTORS N65-13682
- SPACE FLIGHT GENETIC DANGERS AND RADIATION PROTECTIVE DRUGS TO PREVENT HEREDITARY ANOMALIES N65-13683
- SPACE FLIGHT EFFECT INDUCED ON LYSOGENIC BACTERIA ESCHERICHIA COLI K-12 - PHAGE PRODUCTION INDUCED IN BACTERIUM AFTER EXPOSURE TO IONIZING RADIATION N65-34943
- BIOLOGICAL EFFECT OF SPACE FLIGHT FACTORS ON LYSOGENIC BACTERIA ABOARD VOSTOK V AND VI SPACECRAFTS N65-34944
- ZHUKOV, K. I.
MYOCARDIUM AUTOMATISM CHANGES UNDER PROLONGED WEIGHTLESSNESS ASSOCIATED WITH VAGUS NERVE TONUS AMPLIFICATION A65-13397
EFFECT OF PROLONGED WEIGHTLESSNESS ON DURATION OF CARDIAC CYCLE DURING SPACE FLIGHTS OF VOSTOK 5 AND VOSTOK 6 A65-80921
INFLUENCE OF PROLONGED WEIGHTLESSNESS ON AUTOMATISM OF CARDIAC MUSCLE AND ASSOCIATED AMPLIFICATION OF TONUS OF VAGUS NERVE N65-15445
- ZHUKOVA, A. I.
CHAMBER AND ELECTRICAL CIRCUIT USED TO SIMULATE MARTIAN CONDITIONS FOR MICROBIOLOGICAL INVESTIGATIONS A65-25099
MARTIAN CONDITIONS SIMULATED FROM ASTROPHYSICAL DATA FOR MICROBIOLOGICAL INVESTIGATIONS A65-30682
- ZHUKOVA, T. I.
EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF AVIATION CADETS - PREDICTABILITY AND RELIABILITY N65-13747
- ZHUKOVSKIY, V. D.
INTERFERENCE CURRENTS FOR ELECTRONARCOSIS IN SURGICAL OPERATIONS NASA-TT-F-9546 N65-32754
- ZHURAVLEV, V. A.
PURIFICATION OF WATER CONTAMINATED WITH BOTULINUS TOXIN BY MEANS OF ION-EXCHANGE POLYMERS N65-28296
- ZIEDMAN, K.
MANUAL CONTROL METHODOLOGY - STUDY WITH ANNOTATED BIBLIOGRAPHY NASA-CR-125 N65-11019
- ZIEGLER, W. F.
RELIABLE ZERO SPEED, ZERO ALTITUDE EJECTION SEAT FOR F-106 JET AIRCRAFT N65-29761
- ZIEMBA, F. P.
MEDICAL AND BIOLOGICAL SEMICONDUCTOR DETECTORS FOR MANNED SPACE FLIGHT MISSIONS NASA-CR-65072 N65-30921
- ZIEMBINSKA, E.
RESPIRATORY, CIRCULATORY AND METABOLIC CHANGES IN YOUNG PERSONS DURING PHYSICAL EXERCISE A65-81229
- ZIERLER, K. L.
EQUATIONS FOR MEASURING BLOOD FLOW BY EXTERNAL MONITORING OF RADIOISOTOPES A65-81119
- ZIESKE, H., JR.
CAROTID SINUS BARORECEPTOR REFLEX EFFECTS UPON MYOCARDIAL CONTRACTILITY A65-80391

- ZILLER, R. C.
FUNDAMENTAL CHARACTERISTICS OF GROUP BEHAVIORAL
DIFFERENCES BETWEEN OPEN AND CLOSED GROUPS
A65-82060
- DOGMA TISM AS DEFENSE MECHANISM INTERFERING WITH
PROCESSING OF PREDECISIONAL INFORMATION
A65-82294
- ZIMMERER, T. R.
BODY MEASUREMENT DATA FOR HUMAN PERSONNEL IN
ARCTIC CLOTHING - HUMAN ENGINEERING
EPT-2
N65-19004
- ZIMNY, G. H.
FLICKER PERIODICITY EFFECT ON PERFORMANCE AND
AROUSAL DURING ROTARY PURSUIT TASK
A65-81105
- ZIMNY, M. L.
CARDIAC METABOLISM AND FUNCTION IN HYPOTHERMIC
GROUND SQUIRREL AND RAT
A65-81173
- ADENOSINE TRIPHOSPHATASE, ACETYLCHOLINESTERASE,
AND ADENOSINE TRIPHOSPHATE-CREATINE
TRANSPHOSPHORYLASE ACTIVITY OF HEART AND SKELETAL
MUSCLE OF GROUND SQUIRREL, CITELLUS
TRIDECIMLINEATUS, IN COLD ENVIRONMENT DURING
HIBERNATION AND AROUSAL
A65-81500
- ZINK, D. L.
VISUAL OBSERVATION BY PILOTS OF AMERICAN AND
SOVIET SPACECRAFT
A65-35482
- ZIRKLE, L. G., JR.
SURVIVAL OF MICE RECEIVING VARYING AMOUNTS OF
TOCOPHEROL AND EXPOSED TO HIGH PRESSURE OXYGEN
AS RELATED TO BRAIN ACETYLCHOLINESTERASE ACTIVITY
AND LIPID PEROXIDATION
A65-82358
- INJURY TO ERYTHROCYTES OF DOG EXPOSED TO HIGH
PRESSURE OXYGEN AS RELATED TO LIPID AND
ACETYLCHOLINESTERASE
A65-82360
- ZISKIND, E.
EXPLANATION OF MENTAL SYMPTOMS FOUND IN ACUTE
SENSORY DEPRIVATION
A65-81081
- ZITNIK, R. S.
RECORDED CHANGES OF THORACIC AORTIC BLOOD FLOW IN
MAN IN RESPONSE TO LEG EXERCISE IN SUPINE POSITION
WITH OR WITHOUT OXYGEN BREATHING
A65-82220
- ZLATIN, R. S.
EXCITATION STATE OF CENTRAL NERVOUS SYSTEM
REFLECTED IN MACROSTRUCTURE OF PERIPHERAL BLOOD
SERUM PROTEINS - ELECTROKINETICS
N65-25615
- ZMANOVSKII, IU. F.
DETERMINATION OF MOBILITY OF NERVOUS PROCESSES BY
PHOTIC STIMULATION BY STUDY OF
ELECTROENCEPHALOGRAMS
A65-81454
- ZOBL, E. G.
CEREBRAL CIRCULATION AND METABOLISM OF NORMAL AND
HYPERTENSIVE SUBJECTS AT REST AND DURING EXERCISE
A65-82164
- ZORN, H.
DIAGNOSIS OF CHRONIC CARBON MONOXIDE POISONING
A65-80280
- ZSEBOK, Z.
CHANGES IN EXTRACELLULAR FLUID SPACE IN WATER
BALANCE DISTURBANCES OF ORGANISM AND ORGANS
DURING RADIATION SICKNESS
FTD-TT-64-912/1628364
N65-17916
- ZSINKA, A. T.
PANCREATIC SECRETION AFTER EXPOSURE TO HYPOTHERMIA
AND ADMINISTRATION OF SECRETIN AND CARBAMINOYL
CHOLINE IN RAT
A65-81736
- ZUBAVIN, V. B.
POSTERIOANTERIAL TRANSVERSE ACCELFRATION OF
MAXIMAL DURATION
A65-80393
- ZUBEK, J. D.
CHANGE OF CUTANEOUS SENSITIVITY TO HEAT AND PAIN
AFTER PROLONGED EXPOSURE TO UNPATTERNED LIGHT -
SENSORY DEPRIVATION
A65-80024
- ZUBOVSKIY, G. A.
DIAGNOSIS AND THERAPY WITH RADIOACTIVE ISOTOPES IN
U.S.S.R.
N65-30222
- ZUCCARD, J. J.
CARDIOVASCULAR AND RESPIRATORY INSTRUMENTATION
SYSTEMS FOR USE IN PHYSIOLOGICAL MEASUREMENTS ON
TEST PILOTS IN HIGH PERFORMANCE AIRCRAFT AND SPACE
FLIGHT SIMULATORS
A65-23199
- ZUCKER, I. R.
TELEMETRIC SYSTEM FOR CONTINUOUS MONITORING OF
ELECTROCARDIOGRAM IN PATIENTS WITH ACUTE
MYOCARDIAL INFRACTION
A65-80588
- ZUKHAR, V. P.
EFFECTIVENESS OF PSYCHOLOGICAL SELECTION OF
AVIATION CADETS - PREDICTABILITY AND RELIABILITY
N65-13747
- ZUMEL, M. C. L.
2-MERCAPTOBENZOTHAZOL EFFECT ON MOUSE AND
BILIRUBIN SOLUTION EXPOSED TO X-RAY IRRADIATION
A65-80824
- ZVEREV, A. T.
HIGHER NERVOUS ACTIVITY AND MOTOR REACTIONS IN
MAN DURING BRIEF PERIODS OF WEIGHTLESSNESS
N65-13685
- ZWAAN, E. J.
SIZE CONSTANCY AS DEPENDENT UPON ANGLE OF REGARD
AND SPATIAL DIRECTION OF STIMULUS OBJECT
A65-80735
- ZWEIG, M.
CONTROL OF CIRCADIAN RHYTHM IN SEROTONIN CONTENT
OF RAT PINEAL GLAND
A65-80654
- ZWICKER, E.
PSYCHOPHYSICAL MODEL OF LOUDNESS SUMMATION ACROSS
FREQUENCY
A65-80613
- TEMPORAL EFFECTS IN SIMULTANEOUS MASKING BY WHITE
NOISE BURSTS
A65-81077

Collections of NASA Documents

NASA is depositing its technical documents and bibliographic tools in eleven Federal Regional Technical Report Centers. Each Center, located in the organizations listed below, is prepared to furnish the general public such services as personal reference, inter-library loans, photocopy service, and assistance in obtaining retention copies of NASA documents.

California: University of California, Berkeley

Colorado: University of Colorado Libraries,
Boulder

District of Columbia: Library of Congress

Georgia: Georgia Institute of Technology,
Atlanta

Illinois: The John Crerar Library, Chicago

Massachusetts: MIT, Cambridge

Missouri: Linda Hall Library, Kansas City

New York: Columbia University, New York

Pennsylvania: Carnegie Library of Pittsburgh

Texas: Southern Methodist University, Dallas

Washington: University of Washington Library,
Seattle

In addition, NASA publications are currently being forwarded to the public libraries in the cities listed below:

Alabama: Birmingham

Alaska: Anchorage

Arizona: Phoenix

Arkansas: Little Rock

California: Los Angeles, Oakland, San Diego,
San Francisco

Colorado: Denver

Connecticut: Hartford, Bridgeport

Delaware: Wilmington

Florida: Miami

Louisiana: New Orleans

Maryland: Enoch Pratt Free Library,
Baltimore

Massachusetts: Boston

Michigan: Detroit

Minnesota: St. Paul

Missouri: Kansas City, St. Louis

New Jersey: Trenton

New York: New York State Library, Brooklyn,
Buffalo, Rochester

North Carolina: Charlotte

Ohio: Cleveland, Cincinnati, Dayton, Toledo

Oklahoma: Oklahoma City

Pennsylvania: Pittsburgh

Tennessee: Memphis

Texas: Fort Worth, San Antonio

Washington: Seattle

Wisconsin: Milwaukee

An extensive collection of NASA and NASA-sponsored scientific and technical publications available to the public for reference purposes is maintained at the Technical Information Service, American Institute of Aeronautics and Astronautics, 750 Third Avenue, New York, New York, 10017.

"The aeronautical and space activities of the United States shall be conducted so as to contribute . . . to the expansion of human knowledge of phenomena in the atmosphere and space. The Administration shall provide for the widest practicable and appropriate dissemination of information concerning its activities and the results thereof."

—NATIONAL AERONAUTICS AND SPACE ACT OF 1958

NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS

TECHNICAL REPORTS: Scientific and technical information considered important, complete, and a lasting contribution to existing knowledge.

TECHNICAL NOTES: Information less broad in scope but nevertheless of importance as a contribution to existing knowledge.

TECHNICAL MEMORANDUMS: Information receiving limited distribution because of preliminary data, security classification, or other reasons.

CONTRACTOR REPORTS: Technical information generated in connection with a NASA contract or grant and released under NASA auspices.

TECHNICAL TRANSLATIONS: Information published in a foreign language considered to merit NASA distribution in English.

SPECIAL PUBLICATIONS: Information derived from or of value to NASA activities. Publications include conference proceedings, monographs, data compilations, handbooks, sourcebooks, and special bibliographies.

TECHNOLOGY UTILIZATION PUBLICATIONS: Information on technology used by NASA that may be of particular interest in commercial and other nonaerospace applications. Publications include Tech Briefs; Technology Utilization Reports and Notes; and Technology Surveys.

Details on the availability of these publications may be obtained from:

SCIENTIFIC AND TECHNICAL INFORMATION DIVISION
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Washington, D.C. 20546